

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of:

Timothy W. CONNER *et al.*

Appln. No.: To Be Assigned

Filed: June 14, 1999

For: Nucleic Acid Molecules and Other
Molecules Associated with Plants

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 38-21(15404)B

Statement Regarding Sequence Submission

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the Sequence Listing and the computer readable copy of the Sequence Listing submitted herewith in the above-mentioned application are the same.

Respectfully submitted,

A handwritten signature in cursive script that reads "Lawrence M. Lavin, Jr.".

Lawrence M. Lavin, Jr. (Reg. No. 30,768)

Date: June 14, 1999

Monsanto Company
700 Chesterfield Parkway North, BB4F
St. Louis, Missouri 63198
(314) 737-6670

A handwritten signature in cursive script that reads "Ed R. Marshall".

41,408

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<212> DNA

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<211> 431
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 ccatctccgg caagagtcgc cgtgctcctt cgatcactaa aacatcacia agaagtaaaa 300
 ctccaacgaa gcagattcaa acgtctctct ctctctctca aaactcacia agttagattt 360
 caatgatnng tttaagnaaa cgaagtatcc ttcaaaacat gtnaacagat tcaaccaaag 420
 ctcaaggant g 431

<210> 30
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-08-Q1-B1-D4

 <400> 30

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 cctccttcca ccatgtcaaa ctcttcaact ttctctccaa tctcagaggg gctaattgctt 120
 atagatctcc cagaacagca aaatgagttc aaggtggcct atcctgtttc cccagcatta 180
 ccgagtaaga attatgagaa ttcagaagac tctgtcagct ggctaagtgt gccattctctc 240
 aacttctacc gttccattaa caagaanttt cctgcttaac tctcagaaag ccttgatata 300
 nttgggcgaa gcatagcccc aacctaaatt tcanccttta agagaaggca gaacntcaan 360
 ggtgggacca angntacttc tgccccgtaa ggcttaaatg anattggttg ttncgggtta 420
 atgaagaatg a 431

<210> 31

<211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-08-Q1-B1-E1
 <400> 31
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 ttagtgcgat aggagctctt gaaggagcac attttctagc cactaaagag cttgttagcc 120
 tcagtgcgca gcagctcgta gattgtgacc atgagtgtga tccagcaciaa gccaaattcat 180
 gtgattctgg ttgcagtggg ggactaatga acaacgcttt tgagtacgct cttaaagctg 240
 gtggtctaata gaaggaagag gactatcctt atacaggacg tgaccatacc gcntgtaagt 300
 tcgacaagag caagattggt gcnantgtgt caaacttcag cgttgcncnc tccngatgaa 360
 gaacaaatcg ctgctaatacc aatccaacat ggacctccaa ctattgctat ca 412

<210> 32
 <211> 382
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-08-Q1-B1-E10
 <400> 32
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 cacggccatc gagcatcgtc gcaatgagag gactaaaggc gtcaatggtc ttgacaagat 120
 catcatccgc gaccgtcgtg gccgatctgc tgagggtttac ttgtatggag gtcaagtcag 180
 ttcttggaata aatgagaatg gagaggagtt acttggttat agtagcaagg ctatatcca 240
 gcctccaaca ccgattcgtg gaggaattcc agtattgttt ccgcaatata gtaacaccgg 300
 tccacttccc tcacatggat ttgtaagaca gaggttctgg gangtttaga ctaaancaac 360
 tcctttgccca acaatttcca aa 382

<210> 33
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-08-Q1-B1-E3

<400> 33

tcgagctttg gttttgattg gcacgatcca aagacacaca ttttgcataa tcattttcga 60
cgactgttat taataattaa ttcgttaatg acgcaccgtt agtcaactcc gtttcgtatt 120
aattactcct ccgatctctt tcttattctt ctccggcgac acttcccttg cttctccctc 180
ttaggactct ctctacgaat ctgtaagctt caaattctta cgccacactc cgagattcgc 240
ttctgattat tgtatgaatt tttgagctcc aagggtattca ctgccatgta tttaatgctg 300
gctaaagctt gaaaggggaag taatgggatc aacaataaag ttccttgctt tgtnatttaa 360
cctgatttga gaataaaca atgggaaaag catcaggctg cctccggttc tcctgg 416

<210> 34
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-A6

<400> 34

naccacgcg tacataaact cggaattcgg ctcgagccgg gattgaagga gtttaaaatc 60
ttcaacaaca agttaaccgg agaaatacct gcagagattg gagttcattc aaagctggag 120
agattcgaag tttcggagaa tcagttaacc ggaaagtac cggaataatt gtgcaaaggt 180
ggtaaaactt aaggagtggg tgtgtactca aacaatctta ccggagaaat ccctgagtcg 240
ctcggagatt gtggaacgct cttgactgtt cagttacaga acaatgactt ctccggcaag 300
tttccttctc ggatctggga atgcttcaag tatgtataag tctacangtg agtaacaact 360
cattcaccgg gagagttacc gggagaatgt tgctgggaa taagtcnaag gatcgangat 420
tgataacaat cgatttttccg gtgagattcc gaan 454

<210> 35
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-B1

<400> 35
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 ccttgtagtc taaccactcc caagatttaa gaattttctt actttttgtt taagttttgt 120
 tgagaaaaag atgcatccga tcttcgatgc catccttcaa aatgaccttc cagcttttct 180
 tggtttggtg gaagcgagag aatcttccct ggaggagaga agcgaggaac agaacaccaa 240
 caacacgggt ttgcacgtag ctgcaaagct cggtcaccga gaactgggtc ccaagattat 300
 tgagctccga ctttcccttc tctcttcccg taacgcgtac ggagacacac ctttgcatct 360
 tgctgctctt cttgggagac gtaaacaatg ttatgcagat gttagacact ggattggaac 420
 tatattccgc acgcaataac aagaaccaa cacct 455

<210> 36
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-B2

<400> 36
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 gcattcgggt cgagtggaag tgtattccga tgagattaga attgggttcaa gaacagatta 120
 nagccacggt gaatgagtta aagacaatgc ctaatggagg atgatgcata aggaaagact 180
 acaatggggt ctttaagtta tgagaaaatg atgaagaaag attatgatgg tgaggatatag 240
 tattagcaaa agtaataatc ttaatgaaaa tttctgatgg tgatgaaatc ttttttaggg 300
 ttttagtatt tttttttctt gattgaatct ttttttaatt ttgtcgatta ggagtgaata 360
 acctttgttc ttagctgata aattatagtt ttgggtaaag ttcaaaaanna aaaaaaaact 420
 cttttgtgcc aattaanaan gtttttttgg tgtgangcat ataaaaatng atattacaca 480
 atccaatgg 489

<210> 37
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-B3

<400> 37

acncgtacgt aaactcaaga attcggctcg agatcttcag aaggagtcca cactccactt 60
ggtcttgctg ctgcgtggag gtatgcagat cttcgtgaag actctcaccg gaaagaccat 120
cacnttggag gtggagagtt ctgacaccat tgataacgtg aaagccaaga tccaggacaa 180
agaggggtatc ccaccggacc agcagagatt gatcttcgcc ggaaagcaac ttgaagatgg 240
aagaactttg gctgactaca acattcagaa ggagtccaca cttcacttgg tcttgctgtc 300
gcgtggaggt atgcagatct tcgtgaagac tctcaccgga aagactatca ctttggaggt 360
agagagctct gacancaatt gacaacgttg aaggccaaag attcaaggat aanggaaagg 420
aatccctccg ggaccaagca naaggttgat cttttgcccg g 461

<210> 38
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-C2

<400> 38

ctcgagcgac gacgacgac gagatagccg taatcttaga cataataata ataacaattc 60
gagtgaccaa attgagataa ttacaacaga ccaaacagat gataaaacaa aaccaatctt 120
ctttgatttc atgagaaaag aaagaacaac agatttgaac cttttgccga gctctccttc 180
ttccgatcat gtttcaagtg gagtcacgac ggagatcttc tcttcttccg atgaagagac 240
cagtagttgc aatagtttca gatgaaatct ttaatttaat tttaatgttg actatcttaa 300
taagttatta tagttttata ttaatacgac tctccttctt ttttaatcca atttttactt 360
gaaaacgaaa aanannaaaa aaaaaaaggg 390

<210> 39
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-A4

<400> 39
 gtcggaccga cncgtacgta aactcaagaa ttcggctcga gctgattaat gcggtggcgg 60
 cggcgaggat tttatccgga atcggacaat ctaacggtaa taacggagga gaagcgattc 120
 cgtttgatc gtttgagtgg atcacttacg ccggaatata ttgtttcctc gtactcttcg 180
 ccgggattat gtctgggtctt actttgggac ttatgtctct tggctctgtc gagcttgaga 240
 ttcttcaacg tagtggtact cctaatagaga agaaacaagc cgctgcgatt tttccggttg 300
 ttcagaaaca gcatcagctt ttaatgacac tgcttctgtg taatgctatg gctatggagg 360
 ggcttccta taatatttgg gataagttaa tcantgaaat acgttgcgaa taancctttc 420
 tgtcacattc gttcttgctt tccggtgaag gttattcccc a 461

<210> 40
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-C7

<400> 40
 tatagaaact gntgacgtcc naccacgcg tacataaact cggaattcgg ctcgagatcc 60
 aaagaacctg gtaccgagag tgctgatgtg tctttacacc aattagctga tatccagccc 120
 gggccatcca ttttggttga tcaaattgat actgaaaaat ccaaagaacc tgggtaccgag 180
 agtgctgatg tgtctttaca ccaattagct gatatccagc ccggggccatc catttttggtt 240
 gatcaaattg atactgaaga attcaaaaat cctgatgtgt ctttacacca attagctgat 300
 attgagccct cactgtctat ttcagctgtg caaaagaata ttgaggataa ggatcaaagt 360
 cacgttgaaa ctgctgggat ctgagttagt tgatgtctct gccgaatggt caacagaacc 420
 tcaagttcaa ttaccgccat cttcagagcc agtggggaaga tatgcacgtt 470

<210> 41
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-D2

<400> 41

ctcgagtcct tctatcttct tctccacttt aaaaaaaaaa aatatccgtc tcactctctc 60

gccgccggta acattttcccg gcgacaaaac ttctctannc ncaccattcc tccatcgtaa 120

tctctaaatt cttctccatt ctctttcttc tcccgatcat ctcgagctct tcgtgagaga 180

ttatgtgatt atgtaatcgt tgttgctgta gaagacgac tctaacaact gattccttca 240

tcatcacctt cgctagattt gtaattttca gagcttgaga tgttggatct taacctcaac 300

gctgattctc ccgagtcgac tcagtacggn ggtgactcat acttagatng ggaagacatc 360

agacaaatcc ggccgggaat cnaattggaa naatcccggt aaatcgaagt cgtcangtta 420

aca 423

<210> 42

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-06-Q1-B1-D4

<400> 42

ctcgagggaa atgatcgaaa gagggctatc tccaaggaga aggcctgagt tggtagaaaa 60

gtccttggaac gaaacgcttg tctgtagaga atagataact agatatgaag aaactctttg 120

gttatgtgtt caaaacagac atgaagcaat agagaagcgt ccttttggat ggagaaatct 180

ccccaggta tatcatcttt gccataaagt ggctttgttt caactcaaaa ccgaggagaa 240

aacactgagg ttcattgaga aatctgggtg agttgtgtgt cttaagccaa attccgaaga 300

tttggttttg aaagatgggt tgtccctcc taaaagtgtt ctactacata tacgtnccaa 360

tttgtaante actctccaac ttaanttttt tttggtggtt gttccactcc ggtgacaacc 420

ac 422

<210> 43

<211> 459

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-06-Q1-B1-D8

<400> 43
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 tcgttaatTT tttttgaata ttttcgtttt tttaccggga ctctgtctttg tcacattccc 120
 tttctttggt ttncaaaang atgataaacc ctttcaattt ttttatttca aattgaactt 180
 cgtacttggt ttctctatat tgatttctat tgtttattta aggttcttta gaaactcttt 240
 ttgtaaagaa tcgaagtttt ttacgatact tcatcaagat gattgtacaa ggaaagtana 300
 ctactagggt ttataaagga aagnctggaa aaagaaggat aaaggaaactt tttttttatt 360
 ggatcgggaa tcttcattaa ngtaatcggg tgtggataaa aagatctccc taagggtata 420
 cnagntaaat tcttgganga atgaatcna ttttaaaag 459

<210> 44
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-E1

<400> 44
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 gagtttttgt ccatcatctt gtggctccgt tagccaagat agctagcttc tgtctggcaa 120
 atctagcttc tataagcagt tttggtgtta gtcacttaaa atcaatctat cgacttgtat 180
 ctctggaagc tcgatcttgc aaatcgnta aagtaaagag aanaagagtt gtttccagca 240
 aatttggatt gccatanccg tctctagttg tttttgaatc tggtgaaaaa caaagtaaatt 300
 cgatgtttta gaaatttaca gcatcgattg aggttcacca agaatcggaa tcggtgacga 360
 caaagattaa cgggatggt taacgcatct nctcatacnt gtccgttttt aatacatTTT 420
 tggagttgta ngcctgaacc tgt 443

<210> 45
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-06-Q1-B1-E4

<400> 45
 ctcgagggct gatattcaac ctgcctccac cgtcgctatt tttggacttg gcgctgttgg 60
 acttgccgtg gctgaagggtg caagagccag aggagcctct aaaatcattg ggatcgacat 120
 caaccctgac aagttccaac taggcagaga agcagggatt agtgaattca taaatccaaa 180
 ggagagtgac aaggcagttc atgagagagt aatggagata acagagggag gagtggagta 240
 cagcttcgag tgtgcaggaa gtatagaagc acttagagaa gcctttctgt ctacaaactc 300
 aggagtggga gtgactgtca tgctgggctg tcaagcaagc ccacagcttc tccctatcca 360
 tcccatggag ctcttccaaa ggcagattca tcaaccgct cctgggttcc ggagggcttc 420
 aaaa 424

<210> 46
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-E5

<400> 46
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 ccgaccggga tgaatccgtc acttctttaa ctaatacgaa ctccagtttt gagtttccta 120
 taatgggttg ttccgattta ctacctggtt tctcaaagtc tttcgctcgg tgggtattct 180
 ccgcaagagc atggtaaaga gggctctggag aaagaaatga gccttgcaca ggaaggtaac 240
 ggtggttact tggcaggtac ggcagggttg aacagagtcg taataacagg aaaagcacag 300
 aataacagtt acatcttgta aatatccgac tcataccttt gtaaagatcc acgnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnaagca aaatagattt caatcctggt 420
 ttttcaccan canccacaaa gtttgattct gtttttccgt ttttggtaaa n 471

<210> 47
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-E7

ctcgagaaag aaacagaaca acaatggcga aattaaatcg ttccaacatt ggtctctcac 60
 tgttactatc tatgttcctc gcaaacttta tcaccgatct tgaagcttct tctcatcaag 120
 atctcaacca accgtaccgg accggttatc actttcaacc tctcaaaaat tggatgaacg 180
 atcctaattg accaatgata taciaaggaa tataccatct tttttaccaa tataacccat 240
 acggtgccgt ttgggatgtg agaatcgtgt ggggacactc cacgtcagtt gacttagtca 300
 actggatttc acaacctcca gctttaatcc atctcaagcc gtcagatata aacggttggt 360
 ggtcaggctc ccgtcacgan tctaccaaac ggnaaaactg tgattctcca caacgggcat 420
 tgaccaaaac 430

<210> 50
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-D6
 <400> 50

gattnttctt ggtgggacat agacacacag tnnacgnccc ngncacgcgt acgnaaganc 60
 ggaattcggc tcgagcgcca ctaaggatct ccacgatgcc attgcatctg gcaactaccc 120
 cgagtggaaa cttttcatcc agaccatgga tcctgcagat gaggataagt ttgactttga 180
 ccacttgat gtgaccaaga tctggcctga ggatattttg cctctgcaac cggttgggtcg 240
 cttggttctg aacaggacca ttgacaattt cttcaatgaa actgagcage ttgcgttcaa 300
 cccgggtctt gtggttctctg gaatctacta ctacagacgac aagctgctcc agtgtangat 360
 ctttgcttat ggtgacactc agagacatcg ccttggaccg anttaattgc agcctccaat 420
 caatgctccc aaatgtgctc aacaacaaac aatcaccatg gaagggtttaa tgaacttcaa 480
 gccacaagag gatgang 497

<210> 51
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-D8

<400> 51

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tatctccacc atgatctcac tccactcacc agccattaaa gcctctctct acggtctctt 120

cccttcttcg ttacgatcaa cactctctgt ttccttctct gctggatctc ttattcgggt 180

tccttccgtc ggcaagcgca atctctccgt cgtcgtttcc tctggaagag actcctcgat 240

gtcatcaaac aatgtttctc gcggatcgtc ttcaaagggt gctgctgaat ctttcttcag 300

gagtgtctta gggcagatgg aaactgttta cctaaatcga aacccgacgc ctaaattcgt 360

cctggagctt gttcgatncc ttgatgaaca acaactttgg caatgattaa ccccgcttt 420

aana 424

<210> 52

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-05-Q1-B1-E12

<400> 52

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atcctccaac ccgcgatcga ttacatggct tattcatcgg cgatcatggt caatgctgac 120

aaagaccgac caatcggtta caacacgatt caggcgtact tgagagacgc cggtagagaga 180

ctgcatttgg cagtacaaaa tgctgagaaa gagaatgttc ctatgggggt caagttggtg 240

agaggggctt acatgtctag cgaagctagc ttggcggatt ccctgggttg caagtcgcca 300

gtccacgaca caattcagga tactcactct tgttacaatg attgtatgac attcctgatg 360

gagaaagcat caaacgggtc tgggttcnng tgctgttctc gccaacacat aacgctgant 420

ccgggggaaaa ctttccttca aggaaa 446

<210> 53

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-05-Q1-B1-E6

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cttttccttt tctcattect cactagcttc agagcttctg ctcaagatcc tcgtttccta 120
gcctattatt gtccaaatgc aacaacttac tcaagtaaca gcacttactt gaccaatctt 180
aaaacccttt tgctctctct ctcttccgc aagcctctt actccaccgg attccaaaac 240
gccacgggtg gacaagcct tgacagggtc accggacttt tcctttgccg gggagacgtc 300
tcgccggaag tttgccgtaa ctgcgtcacc tttgccgtca acaacacctt tagtaggtgt 360
ccgaatcaga gagaagctgt gttctantac gaagaatgca tantcaag 408

<210> 56
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-F12
<400> 56

ccgacccacg cgtaaataaa ctcggaattc ggctcgagaa tcaagacttg tgattacttc 60
atcagacaat aacacccag tggattctgt actttcctct gattcaattt gcatcaatgt 120
gtcagttgat gatatccgag ttggagactc gctattgggt ttgcctgggt agacatttcc 180
tgctgatggg agtgtcctag ctggaagaag tgtttagat gaatctatgc tgacaggaga 240
gtcacttcg gtgtttaaag aagaaggctg ctcagtttca gcgggaacaa ttaactggga 300
tgccctcta cggatcaaag cttcttctac tgggttccaa ctcaacgata tctaaaattg 360
tcagaatggg ttganggatg cacaanggtg atgcaactcc ggtacaanag gctg 414

<210> 57
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-F4
<400> 57

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ctgccggaa acagagcctc tcttcttcac cgccgtatct tcttctctc cagaaatgtg 120

ggattgaaga agttgacgaa gaagacgaag tttacaatg gctccagtga aaaaatcaga 180
 taagaaagca acattagatg ctgctgcttg gatgttcaat gttgttactt ctgttggtat 240
 catcattggt aataaagctt taatggctac ttatggcttt agctttgcta caacgttaac 300
 cggtttacat ttcgccacta cgacgttgat gacgcttggt ttaagatggt taggatatat 360
 acaaccttct catcttccat ttacaagagc ttcctaagtt taatccggtt tgcnaaat 420
 tccgaatggt gggaatgaat ggtagccta agtgg 455

<210> 58
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-F6

<400> 58
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 gaggtcaata aaaatctctt acaaccacaa caacttctca gattcttctt cgctttgttg 120
 ttcgttctct tcttcaagct ctctgtctct ccaaattggc gacaccggta gacacaaatg 180
 gttctccttc caccaccacc gttcagctc cgccacaact atgccacanc anaacagccc 240
 cggngaaact ccaacagagt tcctctgtcc catcaccggn tttttgatgt cagaccccg 300
 cgtcgtcgct tctggcctaa catttgaacg tatctccgct caagtttgcc ggaatctcaa 360
 gtttgctcca aagcttcacg acgggnactc aaccaagatt tatccaccgt tatcccaa 420
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 gtcc 484

<210> 59
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-G11

<400> 59
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tccttattta aggcgcaaga tggacgcata gctctaatac tagaatcaac ggtgtttcat 240
ccacaagggtg gtggccagcc gtcagacacc ggtttaattg ttttctccg ttcggatttg 300
aaattttccg ttcaagatgt tcgatcgaaa gacggaattg ttctccatta cggagttttc 360
gaagggttoga atcctgaaag tgggattgat agtgagaaag ggaaagaagn ttactaactg 420
gttgatgaat caaagggtaa aaccaaattc aagg 454

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<210>      60
<211>      450
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-05-Q1-B1-G12

<400>      60

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ttgcttctct gtctttcttt tcaagttggg gtctctgagg ccaactacaa cgcagttact 180
acaagggtact cggattctcc tcgatgcgcc aatggatctt ctgcaagtcc accaacaaga 240
cactgtccaa gggggcgctc ccgtctctct acaccgagag tagcgggtgca ctctaactca 300
accaaaaggaa aaggcccatn agtgatgaaa ttattttatg tctcaacact atgatttttg 360
tacttaattt ggtgttaaat ttacaaggca aaggagattc aaatcctttg taaatcagat 420
naattacatt aaagaaacaa atcaaaaacn 450

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<210>      61
<211>      452
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-05-Q1-B1-G4

<400>      61

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atatcttacg aatctccaca agtgcggaatt tcgaacggag ctacgattcc atggcgacca 120
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 ctaagaaaat tgtagacctc aacactacgg agttagatcg tactgacgac attctcgacg 240
 gagaagtcaa gggattttca gattctggtg aaaagaagga agaaaccgac tctaattgta 300
 ttggatcgac ggctggtggt gattctgggg atatctctcc ggtcgatgat atccaagaag 360
 aagattcgac gtgctgaaaa gtttggtggt tccgtgaaaa ttgaccgaag aggaaaaacc 420
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<210> 62
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 62

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 tttcagagac ggaccttctc ttctgacaga tcgacgactt ctaccggaat tcgcttcgct 180
 gggtataaga gcttagccac caccggggcca ctctactggt ctgggttctga agccatggga 240
 gcgacgcttg ctcggtctga taacgggatc cagagcggtta tgagtttctc ttctgtcaaa 300
 gctcgatcgg tcagagctca agcctcatct gatggagatg aagaagaagc tatacctctg 360
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 gtg 423

<210> 63
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-H10
 <400> 63

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 ttctttcact ctctctcttc ttctcacctc tcctttcttca atctctcttc ttcacgatcc 180
 tctccaattt ctcttttacc aatccgatcc aaacgctatt tccgaatcct ctggaagctt 240
 tcactaaacg acaacaacag agacgacgat gatgatactc ttcattttac tccgtttctcc 300
 gccgttaaac cttttcttct cctctgtacc tccgtcgcgt tatcgttttc actcttcgcc 360
 gcttctcccg ccgttgaatc tgcctcggcg tttgtagtta gtactccgaa gaaacttcaa 420
 actgatgagc tcgcgaangg tcgctgtttc aagaagaaaa atc 463

<210> 64
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-A10
 <400> 64

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 tcttgcattc aagggaaatc aaaagaatgt ggttgaatct ttggaggcga tgaatgagga 180
 agaagctatg gagatgaaag caaccctgga atccaaaggg gaagtggagt ttacgtgtg 240
 taccctaaag aaaagcgtga acatcaagaa aaacatgggtg tctatatcaa aggagaagaa 300
 gaaagagcac cagcggggtt tcactccatc agtgattgaa ccatcgtttg ggattgggtcc 360
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 accatttnaa 430

<210> 65
 <211> 214
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-A3
 <400> 65

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gggggttgca atatataattt ttttatagat ttattcagtg taaaattaat acatgtacat 120
gatatatact atatatctgt tgaatatggg gagtagagac aatgtttata atatactgta 180
acagttttta tccacggaca aaaaaaaaaa aaaa 214

<210> 66
<211> 206
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-A4
<400> 66

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tgcagaagggt tatctaattgg gccttttttg ggctttatgt aattccaaag ttggagcttt 120
tgtttaagct cttgtatgat atgatgatgt tttnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnn 206

<210> 67
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-A9
<400> 67

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tgagatcgga attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa 180
atgttcatat atgaattgga attatttggt ttcttattag gcctatcctg aagccaaagg 240
aatgagatn ggnattcctc ggggaattcc aattccanat tttcaagaaa taaggaggca 300
aaantgttca tatatgaatt ggcattattt gttttcntat tangcctatn ctgaagccaa 360
aggaaatgnt atcggnantc ctccgggggt ancgagctcg aatt 404

<210> 68
<211> 439
<212> DNA

<211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-05-Q1-B1-B11

 <400> 70

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 cgtcg ttaat cttgcgggtg gaccacaata cgacgtggaa ttgggaaggc tagatggact 120
 atcatcaaca gcggctagcg tcggagggaa gttgccgcat ccgaccgacg atgtcaataa 180
 actcacttca ctcttcgcca aaaacggcct tagccttaac gacatgatcg ctctctccgg 240
 ggcacacaca ttaggattcg cgcattgcac aaaagtgttc aatcggatat acactttcaa 300
 caagacaact aaagtggatc ccacgggttaa caaagattac gtgacagagc taaaagcgtc 360
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 aattcgaca 429

<210> 71
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-B12

 <400> 71

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 cggaatatct tacggttttc agtggcctgc tctgattcat cgcctctcgc tcagcagacc 180
 tgggtggttcg cctaagcttc gaattaccgg tatagagctt cctcagcgcg gtttttagacc 240
 agcgggaagga gttcaggaga caggatcatc cttggctcga tactgtcagc gacacaatgt 300
 tccgtttgag tacaacgcaa ttgctcagaa atgggaaacg atccaagtcg aagacttaaa 360
 gcttcgacaa gggagaatat gtgggttggtg aaacccttgg ttccgtttta aggaaccctt 420
 ctaaatagana ccgttc 436

<210> 72
 <211> 473

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-B2

<400> 72

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngggt cagtgggtctt 300
 atgttagcaa gccacactag tatcaggcac ctattcaagc aaatgtttga gccaatatga 360
 taaagttgag ggaaagaagc aagcttttct agacaattac cggaagttt cccatgtttg 420
 ctgacatgat cttcagagtt tgacgaatca aggacataat tgaaatttgg taa 473

<210> 73
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C1

<400> 73

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 aaatccgggt gaaccggtaa tggatcatgc tgggctagaa gcttggattg agcaaatgca 120
 gctcgatcag cttgtggctc agcagaattg agagacctaa ccaaagaatc acatgttctt 180
 gtctgggtctc tctatgtggg agataaaaac ctctttttta caggtgggtg tggtagaagg 240
 gtaacaagat taacaaagaa gagaagagaa gaaagaagat ttctttgttt ttggtcaatt 300
 aattttcaca aaaaacagtt tttttttttt atttananaa agagaaggga acaattccaa 360
 gaaaaagggc ttatgggaaa gaaaaggaga ttaaacaaaa accnttcttg ggggttctct 420
 cccccaattt tcaaattttt tttaagggat tcctttctcc cantaa 466

<210> 74
 <211> 437

<212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C10

<400> 74

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 gagctcaaga aggtgggtga ccctgttgaa gtgcgttaca aggagtcatt ggaaagaggg 120
 tcggtcattg atcagcttgg ttactgtatt aacagctaca gagaggcagc tatgtctact 180
 gatcccaagt ttgatcacat tgaattggca gagaagcaaa aggttttgaa cgagtgtgtg 240
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 acaccggctc tcttgtcagc tgacgttaaa agcaaggcag aggcattgga caagttttgc 360
 aggcctataa tgaccaaacc aaagccggtg gctaaagcaa naggancaca agncaaagga 420
 aggtaacnag gcggatt 437

<210> 75
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C4

<400> 75

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 cagtcttttc caaagacaac aaaatgattg gagcaaagaa aactatgggtt ttctacactg 180
 gaaaagcacc cacaggaaga aaaactaaat ggaaaatgaa tgagtaccac gccgttgacg 240
 aaacagtcaa cgcttccaca atccctaagc tgagacgtga gttcagttta tgtcgagtct 300
 acataacaac aggaagctcc agagcttttg atagacgtcc tgaagggagt tttgcagaca 360
 gaagagaatg ctaacaagtg atgttcagc agctgagaca tccgttccct tgtggaaagc 420
 tcaactgggaa acttcaattt caggaggaga acatattgat gtcn 464

<210> 76
 <211> 443

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C5

 <400> 76

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 aaaccagtag aagcagaaag cttaaaagag gaagaccttc tacaagcatc cggaactgat 180
 tctgattacg acggagatag tttgcctggt tctttgaatt ccgacgattt cgactccgat 240
 ttttccgatt cagaggatga tggaacacat gaaggaacag aagatggaga tgtagaattt 300
 tccgatgacg acgacgtgcc ttgagcatga tggggcctaaa ttgataacga aggatgatga 360
 tgggaagtgt aacatgttag gtattgacaa taaatgagga acattgggaa ntgatgaaag 420
 attctgaacc aaaggtgaag ccg 443

<210> 77
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C6

 <400> 77

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 tagagtgggt agaagatagt gaatcgtctc tggaggagag aaacgaggaa gaacacttga 180
 acaacacggt tttgcacatg gctgcaaagt ttggtcaccg agaactcgtc tccaagatta 240
 ttgagctccg accttccttc gtgtcttccc gcaacgcata cagaaacaca cctttgcac 300
 ttgctgctat cttgggatg gtaaacatag ttatgcagat gttagaagac tgggattggg 360
 aagtgtgttc tgcacgcaat atcaacaacc aacacaacaa ctccaacttg ggcttgccgt 420
 tacaanttc 429

<210> 78
 <211> 485

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C7

 <400> 78

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 aaaaatggag accaaagaat tcgactctta cagtgagcgc aaagctttcg acgagacgaa 120
 aacaggtgtg aaaggtctca ttgatgctca catcactgag attcctcgaa ttttctgtct 180
 ccctcaaggt tccttatccg acaagaaacc ttttgtttct accactgatt ttgcgatccc 240
 tatcatcgac ttgaaggcc tccacgtctc ccgtgaagat atcgttggga agatcaaaga 300
 cgctgcatcg aattggggat tcttcaggt gatcaatcat ggtgttcctt taaacgttct 360
 tcaagaagat tcaagatgga gttcgtaggt tcatgaggaa gtcacctgag gttaagaaaa 420
 cctacttcac tccgtgacgc cactaaaaag atttgtccac aatagtaatt tcgatctcta 480
 aagtt 485

<210> 79
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C9

 <400> 79

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 cttggcaggg atgcttcagc ggctggggcg gctcgctggt ttaccactca gaagaagagt 180
 attgtagaaa ttgaatcagt tgggtgttgc ggtaaaactg ataccctgtg taagaaattc 240
 tttcgtctag agtttcttgc taaagaacaa gaacacacag atgaagattt ggatgtcaag 300
 gctctagaag atggtttcgt tccgtgact ccattttctc tccttccaaa aacggattca 360
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 aaaaggtcat ac 432

<210> 80
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-C4
 <400> 80

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 tatcggacaa acaatttggg tacacttaca atcatgatct cataatctga cgattttttg 120
 ttcacttggg tacaatttag tttgagagac aaaagagaac aaagacaggg atttgatttg 180
 agatctggat tctcatattt ggagatcgtc taaagataaa tcatcatttg cagtcaaaag 240
 cttcaatttc gttangaact gtggaggatc gtccatgctc gtggaancga ngattacttc 300
 tcttttgagt tttgtggata ctttgtggca tacttttaac tccgatcta ntcgctccac 360
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<210> 81
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-C6
 <400> 81

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnntattta cactgatctg gaagcttttc agattcagca gcacaagacc agacgacaca 240
 acagggaact cttttctttc cattattcaa gatctagtaa cctccctgaa tatacgatt 300
 taggcgttga agctcctctc tatgctcatg aaccactgca cggncancat ctcctatggg 360
 acancattcc aatcatgncc ctgtccttgg antaacggga taagcct 407

<210> 82
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-C9

<400> 82

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tttacaacga tatgaaatct gcatcacatt tccaagatgc aacaaaccgg atacacacaa 120
ctcgatcaca aattaaactc actttccggg gacgaanttg gtagcgaagg cccangcatt 180
gttggtgact ggatcagcca agtgggtccgc gaggttctcc aacgggtccct ttccggtgac 240
aatggcctga acgaagaatc catcatagag aacatagcca accttccgtt cttgagctcc 300
ttcancttca actccgcnaa aagcctcggg gtcagtaccg aggcccaatg ggtcnaagct 360
cccacctggg taaagcaaag tcctctgctt ctcccaatgg gcccaact 407

<210> 83
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-D2

<400> 83

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accagtttct ctcttctgat aagattggga agaagatagc agtataaagc gttggtgaag 180
tgttagagaa gctcatcgct tggaaagctt acatataaca tcggcgactg caaaaagata 240
ttgagatttc aaaagactag tttgagacca tggcgaatca ngctgtgtag ttangcattg 300
ctttcttgag gaagggttatt gggctgagat tcttcagggg ctaaccgggtc aaaaggaatg 360
taattcncct cttgtcata gacatgacac acagtcatta acgtccttc 409

<210> 84
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-D5

60 120 180 240 300 360 402

<400> 84

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ctttgggttt gagctagctt ggtttctcac tgcaccaca cgtgcaattc tcttgatctt 180
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tgtctgaata gcttgtttgc ttatccatgt tggggacaag atcttgtagc ttcttttagct 300
tcccacttat tctcgttctc ctctcccgct cagcgatgct tctaggatgg gtggcgcan 360
cgcgtttggg ccggattttg caaggtacaa aatc 394

<210> 85

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-044-Q1-E1-D6

<400> 85

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acaagatatg aaatctgcat cacatttcca agatgcaaca aaccggatac acacaactcg 180
atcacaantt aaactcactt tccggggann aanttggtan cnaaggccca tgcattgttg 240
ttgacnggat cagccaagtg gtccgcgagg ntcnccaacg gtccctttcc ggtgacaatg 300
gcctgaacna anaatccaaa catagagaac atagncaacc ttccggttent gagctcctc 360
accttcaact ccgcnaaagc ctccggggggc agtancgagg gc 402

<210> 86

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-044-Q1-E1-C12

<400> 86

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aacaacaaca aacaattttg gccaaactta atcaaagaaa caacaaatcc ttgcattaca 120

cacctcccca catctttttc cttattttcaa tcttctctcc ttcaacaaaa gatctaacat 180
 aaattcatct atattttata cattctcaca atttcatccc ctcatctttt ttattgctcc 240
 cccatgcccc aaaatgtccc ttaaaacgga atcgatccct cacaatattg gtttgtccat 300
 cagctcgttt tcggtcgga tccttcccga gccacggccg gttatcctac cgaatgatcc 360
 aatagttgat agtcccatga agctgctgct ttcttcgcca 400

<210> 87
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-D7
 <400> 87

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 acacntggag gcttattant cgttgatatc aactattgtc cangtctgta ancctctccc 120
 tangacagag gttttcagag cagtaacaaa caacttacac atgagagtta acattgcaca 180
 gtctgagatt atacncgcta gattcttttc aagtcttgaa gaacaacatg tgcagcgttt 240
 cttccagggtg caccataac tccgctcca ggatgagctc cgctgccaca caagtagaga 300
 cctttcaaag ggcttctgta atttgaccat cctttcacag ggcgcacatc gaagaagaga 360
 gtctaattccc atggcaaccg tgaaagatgt ttcccgcct 399

<210> 88
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-D8
 <400> 88

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 aattttatcc attttttaca ctacttgaaa ggagtcccag gatcacatac ttctaaattc 120
 tatcatagct caacatgaaa acaagataca ttggagtagg atctccagga aacgaggatt 180
 ataaaattcc tacatgagat aatccttact agttgccatt ttggatgtca gccaccgcca 240

ttactcacca ctctctcttc ggcgccgttt gctaattgtac ggttgatatt tgactgggttc 300
 tgattctgta gagatgcttt cagttttcac taacttccgt ttttccttct caaattcntt 360
 cctggattcc tttccagtgc ctgattggca aanccgaaca aag 403

<210> 89
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-E1
 <400> 89

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 agatcaagtg acagatacaa acattgaatc aaatttctta aacacctttc taaatttatt 120
 caaaaaagcc tttacacacc gtgctattcc cacccaattc aacctcacat caaagaactt 180
 atattgcagc ctttttttgc tacttgctaa cacagcatcg ggaagtgatt cacgatctat 240
 caatatggna tcaaagatat aacaagaaga gagaagagag tatagatnaa agaaacaaag 300
 cgtaagcgat taaaccacgg gtgctcctct ccaacatcaa gcaagagata ccaccaatgg 360
 tagagcangg gtcnantggn accacaacac aaacaaaagc cggcaagcac aaaa 414

<210> 90
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-E11
 <400> 90

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 ctggnntccc caacttcttc tcaagctaag tcgaatagaa gttgghanana gtcaggtaaa 180
 atgataagtc taccgttgga atcaccattg tttttgttat cttgattagg aggagcttgt 240
 ccatgaatta tcaactctttt tgggaactcc ctctcttctt ctctcttcta tctgtccatt 300
 ttcattgtct gagaccgtaa ctatttcttc atccgttact ttgtgggtgtt tctcttgact 360

gaactgtttc ctgaanctga gcatccggcg tcactna

397

<210> 91
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-E12

<400> 91

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gcatcatagt tcagtgttaa tcaaaagcca agtttcgtaa ttacataaac aaatgttgca 120
caacacgata cagcagaagc agattctctt acttccgcca caacatttac aatcagagat 180
caaccagtat ggtaatacag gtgtgagcag ttttggatta agtagtcttc tcattctctg 240
gttttagcttc catgtccgac atacaagcca catcagcaac tagtctctca acaggcacct 300
tgctcacatc ccategcatg cctatatctg aaactaagcg actgggtgca gtacatgcc 360
taagccaagc cacaagccaa accaccaaaa cctgctacaa acctga 406

<210> 92
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-E7

<400> 92

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngatggaaaa aaaatatgaa ttgactatgc 60
aatattacac attttcttat tatttataca tcgaattttt tcattcctta tgggaaaaag 120
ggaatcaggt tactttgacc gaatcaataa cccaatgttg accatcggtt ttgaccttta 180
accggttaat ctctgcgaac agattcacgg ctctctcac tctctatta tccgccgcgg 240
tgaaataatc gtgaccaaata ataacaccgc cgggtcggag tatccgaacc gcccggttta 300
aatccgcca agccgaatta aaatcgtgac ccggtcttan ctccaccaag tccggcgta 360
ntccccaatc aaaanagctt ctccaaagcc gaancggg 398

<223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-F12

 <400> 95

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 ttacatttga atcccaaaga tgatttatnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngaacccaa 180
 agtagtgccg gtgtcacaac aatcaacaac aactgtcctc tgctgtctga actagcagcc 240
 gccgctttctg ccgcagcata agcctccgga ggtggagtca aaagccctga cgctgcaaga 300
 ccaccaccaa tacctagacc aacaacgata cctttactct cacgcatctt gttgacctgg 360
 ttaatanctg gctggaggga tgttgtaaaa ggaccatgca atgg 404

<210> 96
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-H3

 <400> 96

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 cttaggccca tattaaacaa cacaatttca atcattcaac aaaacataga aacaaactca 120
 ttgatgttct tatcaagaac tacctccttc agaaacagcc tcttgagcca acactttcca 180
 tttctcaagc attctttcta atctctttac cttgctctgc ctccataact tcttccacac 240
 gtctcacaaa ctcttctctt ctcaacgaacc catcactgtc tgctttaacc ctaactccaa 300
 ctttccacac atcttccatg aacttagcat ttgtaggtg atctgcccaa tgaggcatac 360
 caatcattgg aactcccaaa ctcaatccct ccaacgtcga gtttcaacca caatn 415

<210> 97
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-H4

 <400> 97

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 gttttgacaa gttaaacaac gaaacaacac anaacatcaa ncacaacanc aacaacaana 180
 acaacganga ctgcataatnt aactgatctt gggaagcttt tcagattcag caagcacaag 240
 accangacga cacaacaggg aaactctttt ctttccanta ttcaacgatc tagtaacctc 300
 cctgaatata ggcatcttagg cgttgaagct cctcncnat gcncatgaac cactgcaagg 360
 ggcaagnatc cncctaattg gcaccattcc caatcat 397

<210> 100
 <211> 324
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-044-Q1-E1-A12
 <400> 100

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 accgtagaag acccaccatc accaacagct ttctctcgcca ctgaagattt ttctataacc 120
 ttcttttctca cgggggttatc actatccatc aatgatcgga cggctgtggc tatttcatcg 180
 gctgacacga tctccaaagt aaccctatca ccatccgcca cgtagtcaag ccttatctcc 240
 actgctaagc ccaactcctt caccatctca aatgcgttca gttgttgctc cgcatacatt 300
 gggccacgtt gcaataggta cacc 324

<210> 101
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-F7
 <400> 101

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 ctccaactaa ccatttgggt ttcaacantt acaacaagta cagggctaga tggcaaaaaga 120
 tgtattgtat cctaaagcta aactcttgta agctttcgac aaaataaaaa gcaagaagac 180
 ttataggaga ttgcagggtt atcactccac tcagtcttct tcatctgaac tatcatatgc 240

CCF30" HEEEN

taatcccaac aagcctttcg gagcattttg accttgccca ttgctttccg tagcttttcc 300
gtcattttctg tctgcgccag gtttcttcaa cactggcata gcttcttctt tctgcttata 360
tctgtgaact tttgn 375

<210> 102
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-A2

<400> 102

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ccaaacgaca aatacacggt tacaaaatga aagaagccca naacaaaccc agcgaaaaca 120
agtntcagaa ccgtgcggta caccggaaac acgaacatcg ccttctagaa ccgacgctag 180
caaggacgac tcctatgtgg ctacgacctc gacatcaaac ttttggcttg agctagcgaa 240
ccccgccgca natcaacgcc aagaacaagc ctaacctgga acaatccttt cgggaaaagg 300
gagaaccgcc acaaccgaga cccaatccct cctctcccca acctaacaag acganggggtt 360
cgaaacttan ccccatctcc actgatgctc acccaaggga cctctc 406

<210> 103
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-A3

<400> 103

ntnttttttt tttttatgca gaaatatctt tgattcatta actttgagtg attatcacat 60
caacagaatt atgggtcata gcagctacat tattacattc tctacacaac aatggataca 120
gaccacattc tatcacagaa cccatcactt tccatttcac atttatctat atgcatatag 180
atagatagat agacgtcgag actatatatg gttattgggtt aagaatgaaa gagaaaaaag 240
ctgggaggaa tttgtttcta aggtccatca gcaagattga gtctttctta gggtccagtg 300
aagaccatcg tggatgctgc gtaagaagtc gttaagtggg attcaacttg acaagcggtt 360

gaaacggggc aaggtgccat gctaaacact agtgcacccc ctgcn

405

<210> 104
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-A5

<400> 104

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gacaaagccg gcaggatata atcctccggt acacaagccg gcgaggaatg aaaccccgac 120
actaagcccc gacatgggga aacgacgtag aaagacaaaa taaaacatga ttgatgattt 180
tacacataaa catagttctc tctttaacca anataaacca agatcgaaaa ttaactggca 240
tcggagattt ccgtccggag aatggagaca ccactttta agaaaanttt gattcntecn 300
tgcccttact gataatttaa aaatcntca agaagaaaaa accttgggaa tacctttggg 360
atgggcaaga cgggtgggaa ctcaacctaa acaatgcaag aaaaccgtcc aagaaacgcc 420
gttg 424

<210> 105
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-A7

<400> 105

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnan 60
gggtttccct ttcatatcaa gtaaccaa ataaacaaca acaaacaatt ttggccaaac 120
ttaatcaaag aaacaacaaa tccttgcat acacacctcc ccacatcttt ttccttantt 180
caatcttccct cccttcaaca aaagatctaa cataaattca tcnatatttt aaacattctc 240
acaatttcaa cccctcatct tttttaatgc tcccccaagc cccaaaatgt cccttaaaac 300
ggaatcgatc cctcacaata tgggtttgtc caacanctcc gttttcgggn ngnattcttc 360
cccganncca nnggcgggtt acccaaccna atgg 394

<210> 106
 <211> 374
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-B11

 <400> 106

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 ttttgaaca tgagatcaat aanttcatan gtttttcttt tggttgttgt tgtanaagct 120
 atgggagatt tactctgtac aaagctttga atctcccttt ttcacccaaa gaagtgtgtt 180
 tatggtaatg aatgatgtga ttaggccaat accaagtctc cttcttcttg ttgttgctct 240
 tcaaatttct cgccttcctg ctttggang agaatacgn ttatgtctc tgcngttagc 300
 gtttcatact ctagaagtgc gtttgccaac gtgtgtagct gcattctang ccgtttcaan 360
 agagattcaa tcct 374

<210> 107
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-B4

 <400> 107

tttttttttt tttttttttt gatcagtagt tcagtagaga taaactttca ctgattcaca 60
 gattantgca taacaaaaaa nggnaaatga aagattgtga gaacttggtc acttctttga 120
 agaaaactgtt gatgaatctg gctctttcca tgcagcttgc cattgtttgt catanaacgt 180
 agtctcatcg aacagatcct taagtttgtc taaatcttca ttcttacgga tgaagagaac 240
 tccancnaca gccacaaaca agagtgtttt gcagaagaaa tttcccatth gatnaacaag 300
 tctactccg gtaagactat cancanagta agccatgaag aacctatcat cggcagcacg 360
 aacatttgng aagttcagcc tcaaggtaga tgggaacccc ttcaaccaa 409

<210> 108
 <211> 383
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-B6
 <400> 108
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 caaccttggc acatacgtat atatgcagta tgtaactcac cacaataaaa atcatagaac 120
 aatatacanc gcatcatcat cctactacaa gtcagaattt tgcaatccac gaagcagaat 180
 agtaaacggg gaagaagata aagaggtgct cagatcataa tacctctcat gtaattaatc 240
 gagcaccttt ccgtactctg gtttggtcca agctgcatag gatacagggc gcgcccacgg 300
 tatggtttac ccagtgggtg agatncagtg ccggtttang tcaacgaggt agtaaaaatc 360
 canacttggtg tgtgtctntcc tgg 383

<210> 109
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-B8
 <400> 109
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 aggcttgctt tgatctttta gaacattcta atattcacag agatgtaacc aaactataca 120
 gttgcatcca gaaaatccga ctcaagcgat ttcataagca cgagtcaacc accacagatg 180
 aaccaaacta tatacagttt gcatcagaaa aaaattctga ttcagcggag ttcatgagcg 240
 agccacgacc atcattatct gaatttagcc ttgagcccag cagttgaggt acatgacttg 300
 tcggagaaac tcatcgggag tgggaagaag aggtacgaag tccttctctc gaaggggana 360
 aaatccccgg gtaaatttgc cggggggnaa aaggacg 397

<210> 110
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-C1

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 nnnnnnnnnng gtttttgctc ttttttaagt actaagtgat tggtaaccat cttcccgttt 240
 ctgtctccgg tatatcacgg cggctattaa aaccacaaca gccacaacta ccgtcactgc 300
 aaaaatggct aaaaagctca agcttctcgc aagtgcctca aaatgttggt tattaggcaa 360
 ggagctatcc tggtttccgg gagnetgctg aacaacnaag gatgta 406

<210> 113
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H6

<400> 113
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 tgaacatatt aaagacttgt gatggttcta attcntcata tctcctgcgg aaaccatatt 120
 ttctagaang ttccattcgt atttccaact caaagaaaaa cagtgactgg atcttctgtg 180
 tctgagttct cactccaaaa ccttgtagtg gatccgagtc tacgagcatt tgagtttgag 240
 aatctacata aggettcatt catctgttct gcttacgttt gcgaaaatgt ctgaggatga 300
 aactgtctgc atacagagga tacttctttt ttanaaagac cttttatgca ttccaatacg 360
 aaaagtcgac tanttctca tcctttcgaa ctataaacat acaancgaga nncctcaaaa 420
 accgggggttg a 431

<210> 114
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H7

<400> 114
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acaacgagat gaattacacc acgactctaa gtgaaatcat cttttaaacc accaaaattc 180
 acccaatgac acgaaaacat ttctagcaca aagaaaatca aatcctatcc tgagatccaa 240
 tccaattcca agctattagt ccctcatgat ccgagtgtag aacatgtcct aatagcatcc 300
 tacgccaaaa aggcggaac ttccagaaag ggtttgacc ctctggctt caactaattt 360
 cggggcctaa gcctaaaaac cggacatact aatcccgact ngatactcaa ccnggattna 420
 accggggctg gagacaaaaa atttcttg 448

<210> 115
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-A3
 <400> 115

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngaacccaa 180
 agtagtgccg gtgtcacaac aatcaacaac aactgtcctc tgctgtctga actagcagcc 240
 gccgcttctg ccgcagcata agcctccgga ggtggagtca aaagccctga cgctgcaaga 300
 ccaccaccaa tacctagacc aacaacgata cttttactct cacgcatctt gttgacctgg 360
 ttaataactg gctggaagat gttgttaang gaccatgcaa tggctgggac nattg 415

<210> 116
 <211> 242
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-A8
 <400> 116

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 caagtgactt aacattacgt ttccagatac caatgaatgt tctctctctc gcttggtatg 120
 cttctacttg gttttgtgtg ttctctatct tgttctggtt ctgctttaga tttgacgtaa 180

cagttcgtga ttaggtatatt tggtatctgg aaacgtaatg acaagtgact taacactcga 240
gc 242

<210> 117
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-043-Q1-E1-B2

<400> 117

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atcactaatt tactatgtac acacgcttct agcttctgat atatctcttc tacatgtcgt 180
aagagtttgg aatgtgacag atacaaaacc acaaaccaaa tgaagaagga aagagtcttt 240
acagatccga gtcttgccgg ctagccaagc agagttcatg taattcattg agtatccatt 300
cctcaccaag tgtgaccacc aaggaccaat actctagttc ctccaacaac gcatgtgcta 360
tgtccccaag ctaacttaag cggtttcccg gggaaaatca aggttctcca aggag 415

<210> 118
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-043-Q1-E1-B3

<400> 118

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gccaaaagaga tgcagaagaa caaagctcaa tgacttgaag cggctggaga agtaagctct 180
ctagaagaca acagtgtcga gcatagtgcc tagtgtctga acaatgttgg atgacatgag 240
gttcgagaca tgttcttcca gatgcttctt tgcattctgt cttcccatat tcacaattgc 300
caagcttctc tggtgacaac tcgtcctcct cttgaaccgc cttgttanat ttagcaacca 360
agctcaacat ctctggaac gtctgttctt tgggcctggg attggtgtcn aaacc 415

<210> 121
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-B5

 <400> 121

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aagaaactgg aaaccccaga aatacataac aatgatagta tcacaatctt ctgtatctaa 180
gaagatatgt atctcaaatt tgataataca ngctggaaca gagagccaac aacagatata 240
aacttagatc cnatcaatat cctcatccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnag acgagtattc tccggaagct 360
caacaanagc cctaannaan ctagcccaac caggnttttc cttga 405
  
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<210> 122
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-B6

 <400> 122

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn caatccacat tttcccacaa tttatatata 60
aaatctcgta caagacgaaa catgatcatt gcaacgtacg tatgcaatta ttttcaagca 120
cgacactcgg gtggtgggac aggaaaccta gaccggtcag tacaataatc ataaaccata 180
tggtttactc taaccaccg gtaacgtcga gcttcaacgg cgттаagaga ctgataggca 240
taaccttccc accaattatg agggttcgat ggacaaaagg ttggtccagg aacaggacaa 300
ccttcgatgt cgaaatcttt gtaataagca taaaatggga gctttgctcc aatcaatttt 360
ctctaateca ccacgtgttg ccagtcac tcgttccan aatggtgagt 410
  
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<210> 123
 <211> 443

<212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-C3

<400> 123

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngca gaaaatagca 120
 tgtattaaaa ttattatttg natggataaa agacaaataa tatatcaaaa tgctgaatac 180
 aaaatgtgag ctgtaataca tgagacaaat gggagaggan nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnggct 300
 agaacaagta gagaccatgc gattgccgca gctcccacca tttgtatcac aacacttatt 360
 ctttgtgctc cgctctgacg gtcagcggca ggaganaaag catcccttgg tccangacca 420
 ngaacttctc cgggcggaac aag 443

<210> 124
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-C8

<400> 124

nnnnnnnnnn nnnnnnnnnn nnnngactgag caaaacactc tttaatgaac aactcaaaag 60
 gaaagcatat cattcaaatg gtaaaaaacta aaaacacacg aagggttttt atataaagtt 120
 ataaacaaaag catatttcaa agtgagcaat atacacaaat acgcccgtgt ttgcggataa 180
 tagaagcaac aattcgataa ggatcgcatg caaagtggca ggtaatccaa gcatgaatgt 240
 tggttagcgc atttatcctc tggctttaag ctccgcaagc ctctcgcaca aatcatcctc 300
 atcgactttc tcctcagtct taagtaggaa tggcatgacc agcangctga ggaagcccca 360
 cagagacttc caaacatag tcactctggca accggctggc ataaaggcgt ttg 413

<210> 125
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-E6

 <400> 125

 tttttttttt tttttgaata gaaaaacaat ccacatctaa tatacaaaga caagactgga 60
 ggaccaaaaca agaccagacc agcagaagaa ggagagacgg aaggcgaaaa ataaagacac 120
 tcttgtttca cacgaaaaat tgtcaccatc atcatcaact agacaatata ggaagactaa 180
 gaagaatcaa gaagagagaa tatatgttct tggatgaagat tagttcttcg actttgaatg 240
 ctttacgagc caatcaatga cttgatcaat gttggtagag ttcttgcatg atatcatgaa 300
 acagcagact tctctatctg taagtgatgt angtcaccatt tcgtctgtta aggcttcttt 360
 ggacagagct ccaaggtttg tcaatcctgt tcccc 395

<210> 126
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-F3

<400> 126

 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaagaaaa 60
 aactttgaga agaagagctt cattttcaan nggngatata acacatcagt ttctcaacga 120
 atcaagaaag agttaacatt gatcaaaaac agaaacataa aacactaact agaacaaaca 180
 cactcatgac aaattaaatt accaatcggn aaaacattta atcagtatga atataagaaa 240
 aaggtttgca ggttattctt caaagtgaac ctgcattatg acttgacata cagacttggt 300
 gtacctnag aaaccaaata aagttttcat ttttatgatt ccaagacata ccaaacctat 360
 caaattctca ccatttcccc tatcaaaaat ttcaacaacg aacccgaaaa aagaagtcct 420

<210> 127
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-F5

<400> 127

tttttttttt tttgacaaac acatgcatat aatagataaa gagccacata catgatacat 60
tgcaaatatg acaaacacgt gacatgcagg ataatagata aagagcccca cacatcacag 120
gngaaacaan ttaacgtgca tacatttatt gacgcaattt cgtagctata gtgacatcag 180
tgacttgggt gagttttttg gggaaaagcc tttgggggga acgaaggagg gatnacaaga 240
aaagggggcaa ccttctgggg acgatatggg tgggttaaact gcgggaaata gtttggccgc 300
ccgangncng aaaaccccg aacatgnaat tgggggacna atggggccga gttaaaancct 360
aagttggatt tagccatnan tttanccnch ccaagnttcn aanggaggtt tcaattcgtg 420
cgcccaaggg nnattanccc aaattggttg ggaaa 455

<210> 128

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-043-Q1-E1-F6

<400> 128

tttttttttt ttacattgat accccaatta tattcgatac tgaaaccata ttacaaactc 60
attttaataa attgcatgca agaaaagatg gtaacacaat aaatttatta catagaaatt 120
attttcaaag atcaaacgcc tttttagaga gatctaakat accagccaga ccctaattggc 180
ataaagttac tgatgtacca tttcaagaaa acaacgcttc gaacaaatth ttgatgaagt 240
cggtcattgg cgctgcgatg atatttttgg caaccccggc cgccaagtcc ctctccaaag 300
tgccaccaag ttgtgtcata tttagatatca tgaccttgat tcttggccat cataagcctg 360
gcaaactctc tgtagttgat ttggaccaac aacaacaaca tcaagctggc ct 412

<210> 129

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-G2

<400> 129

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nccataagag 60

tagagtacaa agctcttttgc ttctgcctga ctgatataca aacaaacaaa aaaagccgaa 120
cctctcatat ctgaaagttg aaatgaaaca acaaaaacag cttcttactt cattccttcg 180
ctgagaccgc gtggcattcc taagctctgc gcaaggtcac tcattctctc tttcatagcc 240
accacactct tggcgtgtgc gtccttgtat gcttctgtga caagtgtga taagtttttc 300
ggaacctagt tcattgctgg ctcggtgaat atcaagttac gggattgggt tgctgggnta 360
accggataaa gttaaccctt gaacaagccc cccctggaac aataaaccaa tcaaatttcn 420
gnggaagcaa anccttttgg aaaacgttca agctt 455

<210> 130
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-040-Q1-E1-G3
<400> 130

tttttttttt tttagctaaa acagtttctt aaagtttttg ttaaattgtat acaacaaggt 60
tcttctatat acacaagctg cgattattac tgcgagtttg taattttattt ggatcggaac 120
ataagacata ttgtaagact tcagatcagt tgcaggacaa gttcgagtga agtctgctag 180
aacggctctgt ctccatctca gttcctcaaa gcttggcaag caggagggat tgttgtcagg 240
ccacatttgc tcagaagagc ctggacttta gatgggtaaa ccgctaaaac ggggagaaca 300
gacttgaatc tgcagatgca tttcagatta gcggcttggg ggagttcaca acaccctttg 360
attggaaatg gcgggttgcc ccnaattacg gctggacaac attttncaaa atgggtttgcc 420
ttgaangtac atgcggtaa 439

<210> 131
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-040-Q1-E1-G4
<400> 131

tttttttttt ttaagggaaa ggttttttca taagtaggaa acaagaagca taaaatccag 60

acaaagtcga gttcacattc atgagtagcg ctaacatatt gaaaaacaaa aataaccgat 120
 aaaatccaaa acgggagaga gcacagcttc aacatcgatt ccaccccaaa aaagagtcaa 180
 tcagagacgt ttacatgaa caagttgggc ttgttggcct tgtaagtcgt cttcagcttc 240
 ctgcttggtg gtctaacctt gcggaacacc aatgggaact tgatcttgct gttgtggaac 300
 tgtttagtgc tctctctctt gcacagcttg gctgggacag tggctgtctt gatgatctga 360
 atgcaaggga aatctgacac ggtgacgggg atgcaacccc attgtanacc ngctcaaaac 420
 tnccgttaaa attgggggtca cg 442

<210> 132
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-G7
 <400> 132

tttttttttt tttttttttt gttcagtaga aaagctagca ttaatctcat aacattcaaa 60
 gatgggtatca gaagcaaact tctttacaaa caaaatatta tcaagttcat caagacagat 120
 gcagacaata caagaatata aaacaaatgc caagctcttt tttttattac cgtaccaacc 180
 aaataacatc ctacactcaa gtaaccacca accaaggaaa gcgaggtggc aacatctgct 240
 tcccaaacca agaatccaca aaatateggc tcccgatact acataccgca cttataagtt 300
 gatcgataag gaagtacctg gaaattttta catttgtttg tgctctcatt ctgctctgga 360
 ctgaccagct cgagaagata aatgatgcc tacaattagg ccgtatanag cgagcgcttc 420
 cgcaaagata aggataaga 439

<210> 133
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-F3
 <400> 133

tttttttttt ttttctttta tacctctggt ttttatatga tgtttgtgaa tgtgtttgta 60

ataacttaaa acatattgct atcctagaat ggtatcatct taatacagat ttttatttgg 120
 tttcagagct gtttgatttg ctttaactta cagagtacta agtgatcata atgagtccca 180
 aggcttgagt tctctgtcac gatccatgtg tttcctaate acttagcctt tgccaaagct 240
 agtgtcattg acctcgctcg cagggttagg aaaattcccc aaaagaatgc gaccaggctg 300
 tgcaagatga cccggaaagt gcaagtgggc acaataactt gtagttaaac caacccaacc 360
 aaccggggaa aaaacttcaa tgcaagttaa gctgggacgt tgggatnaag tcctcctgga 420
 ttccttcccc naacaaaggg gtccaaggga anttctt 457

<210> 134
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-G8
 <400> 134

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnca 60
 tatgtaataa aagtgaacct cattgggata tgaatattat cagtaaacca gaactgagga 120
 aggtgtacat attacttttg gacatggcct gcttaaacaa atcatacagc cattttttttt 180
 gttgatttta ttattttgat gattcaagag aatccaaaaa agtgtcaaat aagatttcat 240
 atcctgtcgt ctgtcggcca ttttttttgg gtttgttgc tccacatcta atgtaaaaag 300
 tttctttatt ttggctgctt gcgatatggg tccaaggaat catccacaag tttccttcac 360
 atagttacca actcctctca aggtcctcaa caaccccgcc ggcaaacaag gtttgncttt 420
 cctggtgaaa ccgggtna 438

<210> 135
 <211> 166
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-040-Q1-E1-G9
 <400> 135

tttttttttt ttttcttgtt taataaaggg ttcgatttct tccacaatgg taaagagcac 60

aagccagatt ccttaagttt taagacaaca ctataaggac ccaaaaagga gaccaaagac 120
aaagacaaag accaaactga taaaatgaag ctgttcaggt tggtac 166

<210> 136
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-040-Q1-E1-H1
<400> 136

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnaac caccaaaaga ggaaacaaag cattaaagct tacaacgata tgtgcagaaa 120
gaaaagttag gcccaacata gcccataaga ttaacatcta cggcataaag atgttttgac 180
atttggaactc tatccaatac acgtgtccac gtgatattac aactgcaaca caagatgaag 240
agtcacgcga agtgtaccga catcaacctt cgccgccgat gaacaccgaa tccggtgagg 300
aatgcacgc cgaaacatcg cacaatgaat ccttgtaacc accgaaataa aactgaacgg 360
tgccaattt aaaagacaca gcaaaangga tccataatta gccatcgga tacccttaa 420
tcttnaaacc gaagaaatat c 441

<210> 137
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-040-Q1-E1-H10
<400> 137

gtaccaaadc anaattcgcc ggtcnacgag ctcantagnc ggcggccgcc cttttttttt 60
ttttttatgg gttcaaatca acttattgga atcacctttg atcaaatttc acaaaagaaa 120
tggttagtag agttacacat aagatgaata caaggcccat atggaaggtg caatgggaaa 180
tgtagaaact tgactgcatg accgagagta tgagagaagt ttcttccaaa ggagtcaaat 240
atctctgtgc gtgttcacaa ttcttgtgca agggctttct cgatgtcttt ctggatggat 300
agaggtgaaa cagttgtgcc ataacgatca atgacttgac catctttgcc gaccaagaac 360

ttggtgaagt tccatttgat acgacttcca aagaaaagag ggtttcttag atttgaggaa 420
 tttttagtagac tnggtgcaac gttttgtcca attacca 456

<210> 138
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-H12
 <400> 138

antacacggc ggccgccctt tttttttttt tttggtaaca tttcagctct aattttatta 60
 taggtttttg caaaaccaca agatacagac caaaaagac agctacgtag gttaataaaa 120
 aaaaaaacat atagatgcct tcactcttat atggaaacca cgcattacta tatgtatatg 180
 tatgtatatt cataaccaaa acatcccaaa agatagatta tctgaaacgt aattatacat 240
 aaccacacaat aagatagaaa acagatctat ctaagtagct gaaccacaca acatgagtct 300
 ccgggaggaa gtggcaagac cggaacggtc cctgggcttc acctttaaga ctttgaaggg 360
 caagtggttt gggttccaag ctgaggtgtc ctgtggcata ncgcaactgc ttttagcctc 420
 gcatc 425

<210> 139
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-H5
 <400> 139

nnnnnnnnnn nnnnnnnnnn nnactgaaaa gtgtatcaca aaacacaaaa tgtaaacaag 60
 tttgaatagt ttatgattat ttattacaaa tccatactac aattatacag tcttcaccga 120
 tattttgaga accataatgt aaaaaagaga aagagaaaaa aatggaaaaa catgaaacaa 180
 agtttgatga aatcacttcc agttgtttggc aacaatgtca gccaaagtcaa caactctctg 240
 tgagtaaccc cattcattat cataccaagc aatcacctta accatatcat ctcccataac 300
 catagtgaagt gatgaatcaa tggtcgttga aaaatccgga gcatctgaaa tcaacggggac 360

<210> 142
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-A3

 <400> 142

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ggcccccggt gctcactagt nggcggccgc cctttttttt ttttttttta aaatagtgaa 60
gaaataaata ctccatatga cttaaactta aaaatgggtca agaagagaga gatatgttcg 120
tagctgggag agagaggaga gaacaacaac taagaaaatt taagaaatgt aaatcgctga 180
tagacgacgg gtcaaaatca gatcaaagag tgccttgcaa aacaagaaaa cctttcttct 240
ccggtgatac tagtacggca gagcaaacac agcaacagaa ccgacttctt ttctcccttc 300
acagcagatc ggccacgttc gaaggnagct ccttcgacaa ccacaatggg agaatttctg 360
aatatcaaac aagcaatcct cctcatcatc acgggtcacg aaaattgatt cgcaacaacc 420
ctttctcccg aaaccttcca actttt 445
  
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<210> 143
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-041-Q1-E1-A4

 <400> 143

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ttttttttt tttttccagg gaagaacatt cataagctag taaaacacac aagaacaagc 60
aggggacaca agtctattac aacacaagat cagagcacia cagctacaca atccattatg 120
tgaaaattcc cactaagcac aacattacac cactccactt taccocaaat ctctccaccc 180
tcggtctttt ccactgcgat ttccgcacac caaatctctg ttttctctgt tttctgcaag 240
aacagaacca atttcccacc ggtgtaactc acagttttgg accacttaca agccacaggc 300
aacaatcctt caaaaccttt aacgactccc caagctctct gctttggatc ataagctctc 360
aaacaattct cacgaacatc atagtaatac aagacatcat ct 402
  
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<210> 144

<211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-041-Q1-E1-A8
 <400> 144
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 gctactacat tggatatgtc aaaatacata atacaaaaaa attacagagc aaaacaccaa 120
 aaaaaaatct aatcttgatc ccaaatatga ctaaagaaat cagcaaaaagt tggatgaagct 180
 accaaactag taaagccagg acttcgaaac gggctcataa atccccgccg cgagaataat 240
 cccagtggta tagccggcga aaacatccca ccttgatgat acatcggaga gaatatcccg 300
 gtagaagctg ttggcaacaa ggccggagat ggcgagagta ttccccggagc ataaccacca 360
 aattcagctg cttcttccat agccgtgttg atttcca 397

<210> 145
 <211> 118
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-B3
 <400> 145
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngggcgg cctcgagc 118

<210> 146
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-B5
 <400> 146
 tttttttttt tttttttttt ctcataacaa ttaagcttat caatggttca accccatatt 60
 ccaaattgtat atgtatagtg agcaataaag aagaaaattt gcatattttt atcacatata 120
 ggacaaaact ggaggacttc cactaaacca ccaccataaa ttaccaaaga agaatgtcgt 180

<210> 151
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-B9
 <400> 151
 tttttttttt tttttttttt tggtaaataat gttgagattt tgataataat gtaaaagtat 60
 atcagacttg agatctgcgg ttgcaacaag atacagagaa cgattgaaca aagtgaggtc 120
 accaagagaa cattgatgaa aaatatccaa cacacatgag ccgatgagtg ttccctgccca 180
 caaatgttcc tccgctgcta gaggataagg gcttgaaatg ccagacacaa gcaagtcaca 240
 actagetgtc ttcttccaag cctcctaatac tgggtacctg gattataact tataacagtc 300
 cggaactctt ttccantttg caaaattgat aaggcttaaa cacacaaggg cnaanaccca 360
 atacctcanc tgcattgtccc ctttgaactn 390

<210> 152
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-C4
 <400> 152
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 aaattaattt aagtactaga gagtagagat ccaaatacaa accataatat gttcgtctca 120
 caaagtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnntcacatc acattcacat aaactcgtca taaatagacc atcccaattc 240
 ccaaattggct tagaagcaaa tgtccagggc acaacagcaa cacatggccg caagacagcc 300
 tttgaagaat ccgtcaccct tagacttggg ttccacttta cctgagcta ccgaaccatg 360
 actcgggttg ttagtccggg taaccaatcc ggcgggtggg gtgatgtcan ggtagacatc 420
 ggtggcgggtg ggtaaccncc tgcaga 446

<210> 153

<211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-D10

 <400> 155

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 nnnnnnnnaa agagggtttca aacaaagaga tgataaaaca taggaatcta acttattttca 120
 tggaagatcc ctatgtgaag aagtcnnnnn nnnnnnnnnn nnnnnnnnnn ntaaaaccga 180
 gtctgtgagg gatcaaagga cacaaacttt catccattg catatttctg agtccagctt 240
 ctgcgagtag actcatactt tgctctatcg gttttgtaca tgtgaagcaa tctctggaac 300
 caatggatca tctggggttg ggtccgttaa caatgaacat atcnaaagca anaaccttcg 360
 atatggtgag tgcaggactc cattgttctt tcaaaatgct aa 402

<210> 156
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-040-Q1-E1-D12

 <400> 156

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 ttaagataat taaaccggaa aaatcacaaa agccccaaa ttcaaagaga aagaatataa 120
 aaaaaagcag aaccaaactg tttttttctt tttttcttat tgataccata atctttttta 180
 gctctaagca gtagatccct tgagcttctt ggtgatgctg gcaatgtact ggccttggtg 240
 aaatgcttgc tgtagctcca gctctgttgg ctgccttgaa ccgtctcctg caaatgttcc 300
 agctccatat gggcttccac ctttcacatt ctccatttcg aacattcccg cgccaaatgt 360
 gtaaccgatt gggacaaata acatccccgt ggtgaaacaa gct 403

<210> 157
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-D4

<400> 157

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ggtcacaaca taaaccatct tcagacacta agttcacaca caaacttcag ttcaagcatg  120
aacttgaaaa gaacagctaa gataggttaca tgtcctctac acatatataa tttgaatata  180
ttacataaaa cacacaaaac aaggattaaa acgggtgcgta tcatgggata ccgatgatgg  240
gcaagaaaagg aacgtaataa ctggtcggag ccagccccc ctcgggagga actgggtaaat  300
caacggtctt ggacgaacta aaagattcga agccttcntg gacatgattc aagaagaaca  360
acttggggaag aanagaccat attttgtcac cgccaagcnt aacaatcctc cgacnttaac  420
gttaattcct tgggaaancca taaa                                     444

```

<210> 158

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-D9

<400> 158

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60
nnnnnnnnngg ccantgacat tgtcatttct taaaaaacac gaatatgttt acacaggggtg  120
ttacaatacg aagaagccaa tgggtancnaa agatggaaat attgtacgat acaagagaca  180
taaaaacaca tgagatgatg atcacctcan tggaacttga ggctgggtcaa nacgttggtg  240
ttgacgggat cagccaagtg atcaagcagg ttngataag gnccacacc ggtcactant  300
ccttgggaaa agtaaccgga gggatgggga ancaaaacca atccaacgtt ccttgacccc  360
cttgagtttt aannccctca aggnatttcc naccttccca aaaccca                    407

```

<210> 159

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-E7

<400> 159

nnnnnnnnnn nnnnnnnnnn nngatcgaat atacatgacc atacaaagct aaaataagac 60
aacttggtgt ccaaatacaa agttaataa aagacaaggt gtgtaagaaa atacaaagct 120
aaaaagatac atgtggtgga aacatacaaa gctaaaaaaa agacaacaaa gcaaacgaat 180
catatgtctc ttttggcatc aagtgggaaca tgagttgcaa gttacgtgtc tttgtctatc 240
tttgtctcca accggtgatg ataaacttca ttgaagtga taagacgaaa ttcctttaca 300
gtttctcctt aactcacaac cacttgctta tccgccatta acactcacca aaagcataga 360
gaanaaaaaac aacaattagc atttacagtt aactttccaa tttgattcaa tcacagaaac 420
aagatattaa acaacaaagt tta 443

<210> 160

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-F1

<400> 160

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnan 120
attaaagcaa aagcatcaac catcancaaa atccaacaag atagnгааag atccaaccgc 180
cacttgcaac tanactanan aacncngaaa taaaaaaact tgcaaaacac agcccaaaac 240
agaaactaac acacattgct taggggggaa aacagttttt tgggaaaaag aaaaaaaatc 300
cccgtcactt aaccaccng aaaaagacnc aanancaat aaaaaaaaac aaagtaaggg 360
nggcggaana ttagggcacc aatatttaaa accncccgca angtcaaaac ncaatcggga 420
cca 423

<210> 161

<211> 427

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-F2

<400> 161

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tttttttttt ttttaatat aacacgtcat tagcatttca attaccaaag aaaagcaaga 60
agaagatgaa agagcaaagc tcagtattat acagatctgt agataatgaa aactctggcc 120
atcgaatgat atctttccac caaagagaag aggttgtgta cataaaaagac ctttgaatta 180
acctaaataa gaagataaga gaaaaataac tcacatttta tggtttatga atttgatata 240
gaaagatctc ttacaagcca tgtaaaaaca agaattcccc cataatttta cagtcgtcca 300
aatcatcaat atgtcatcat ccttctcaat ttagtggtga atcaaccaca gcctcnggcc 360
ccctaataatc aaaaccttgg tccgccggtt aagagtacaa agaatgagaa gggaaccnt 420
tggttgc 427

```

<210> 162

<211> 89

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-04-Q1-B1-F8

<400> 162

```

nacataagac gggccgtcca cgcgtacgna anacggaat tcggctcggn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 89

```

<210> 163

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-04-Q1-B1-G1

<400> 163

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cccgtacgta agancagaat tcggctcgag ggaagagatt ggttattgct aataagttaa 60
ggaggagagg aagatctatg tcagcttcga atttttactc gtggcaaaac cctaattcaa 120
tgcctttact tgcactccaa gaacctaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnngctcag actcgaagtt gtttctgtct aagtagtttg cnnnnnnnnn 300

```


<210> 168
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-G7

<400> 168

ctcgagcgcc ggagnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ttccaaaggg aacccttaag 120
 aagagtctta gcaataccgt tgccgttagc cangtgagaa tccttangng nggcgaagaa 180
 atccccaagg agacttcaga tctgggttg gaaatgtcag atntgggatc tactcgtcgg 240
 attggacca gattnggggtt tgattccggg tcagattcgt ttatctggcc gcaaactgaa 300
 natcagcacc gttttacgcc ggtcctgtga ccatgacctc gccgcctcct agcgatgtcc 360
 cgcttccaag cttttcttcac naanaangna acaaatgatn tcatcaggat ccttc 415

<210> 169
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-G8

<400> 169

gagacgnccc gccacgcgta cgnaaaatcg gaattcggct cgagaaaaca cacaagaaaa 60
 taaagatact acaaagtata cgacaacttc tttttttggt ttagtagtaata attatagcca 120
 aaaatataga canacaaaat ggagagaaaag cctcttgaac ttgagtcgac ggataaccac 180
 cagaatcctt cctccgcgt atacggtggc tctgttacgg cggttgactc tgttgaagaa 240
 gatgttcaga atcagaagaa agtcgtttat agaggctgga aagtcatgcc ctttattatt 300
 ggaaatgaga catttgagaa gcttgggatc attgggaaca ctaacaaacc ttctgggtta 360
 tttaactgca gtcttcaacc tgaagangta ntacagctgc aancatcant aacgccttta 420
 gtggcacaat taatttcgga actttcgttg ctg 453

<210> 170
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-H1

<400> 170

```

ggggatgaat ccttggtcgc ccagaagagc ataaagtngc nggcnaccgc tacgtaagan   60
cngaattcgc ctcgagatgg cgacgacgac gagttgttcg cttctccttt cttccactct  120
cttccttcac tctcctcctt cttctcacct ctccttcttc aatctctctt cttcacgac  180
ctctccaatt tctctttacc caatccgac caaacgctat ttccgaatcc tctcgaagct  240
ttcactaaac gacaacaaca gagacgacga tgatgatact cttcatttta ctccgtttctc  300
cgccgttaaa cctttcttcc tcctctgtac ctccgtcgcg ttancgtttt cactcntcgc  360
cgcttctcnc gccgttgaat ctggctcggn gttttagttagt agtactccga agaaacttca  420
aactgatgaa gctcgcgaag gntcgtttgt ttcaagagaa cactccttcc gttgtttaca  480
tca                                                                    483
  
```

<210> 171
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-H3

<400> 171

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cgcgtcengc ccgtacgtaa gancgnaatt cggctcgagt gactctggcc ctctctctct   60
tctctctctc aaaattttca gagagagaat caaaccanaa ttttcgacga cggtaaattg  120
atgctcgcgc tgatgggtga attgccgtcc ggtgtagtat ccggctttcg tctgacatat  180
attggcttcc acagcagtag atggctcggn cntgtctagc atcatcggct ctttcagcgg  240
tgatggctag ctcacggtgt taatccggcg tagttcgggt tttcttttcc ttttggggna  300
acaccacggg ttacgtttcc gaccgttgat tgnntttana tnaagaactc attgggtatg  360
ngtggtgggn atcgccgtng gttttnaatn naagcctgct taattagatc caaantncaa  420
accnatcctt tgaaatttaa aggttacggn ta                                                                    452
  
```

<210> 172
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-H4

 <400> 172

ttgtacggtc atagattgat ttanacgncc cggccntacg tacgancnaa aattcggntc 60
 gagcgcatta atctctctct ctgtatcttc tcttgagtgg agcgaatata caaaagagtt 120
 ccgagtttct ttcacacctc acgagcttat actttttcgg tctccattcg tttgttttta 180
 acgatnaaaa acaacggcga aggtattgga aataagacag aagctgttag ctctgtttct 240
 ccatgggtgc aagatcttgt gctaattttc tagacttata atcttgggac ctttttagatt 300
 ttctctaaac tccacgaact cttccacgcg tcatgnctgt tccgggaatc atcaccggac 360
 gtttnacggg gatacancct cccgaaagta acttcgaact ccgggggttc acgtgagagg 420
 gaagattatt gtancnaaca tgttnccact ncaatctaaa agagatgcag aanctgg 477

<210> 173
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-H6

 <400> 173

ctcgagctat tctctgtttc gtgttcact tcacgattga gagaacactt tcctaagttt 60
 atcaagaaca tttcttttca atttctcgat tctttcnggc tcattctctc atctctgttt 120
 catatctaaa ttattgattg agaattcgac ttgtggaaat ggcaacagtt gcatcaaata 180
 tcgcttgat cggaagagta acgatgtcta gagctagttc aatggtagga tggaggttgc 240
 agataaattg cagaaagaaa gagaaaggaa gagatcagag tcattatcct taaaaagtca 300
 ttgaaatcac tctctctct aaatctctcg gnantccgtt ggctctctca ataaccttca 360
 atgtggagag aacgtgatga tcgaagggca aacgtacaca atccctgctg tgac 414

<210> 174
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-H8

 <400> 174

 ataaacggcc gnccacgcgt acgnaaaatc ggaattcggc tcgagcggct cgagcggctc 60
 gagcggctcg agctcgagcc gctctcaaac cctaagagaa gaaaaatttg ctttgttttt 120
 gccaaattca atcngatat caaagatgaa gatgggaggt tcaaagagaa gagtatcgag 180
 caaaggactt ggagctgttc ttaaagaaca aagagctaag ctatacatca ttcgaagatg 240
 tgtcgtcatg cttctttgtt ggcacgattg atcctcaatc tgtcttcana tttcatcctc 300
 atcaatcttt atgtataaaa ggctttcgtg tgttgaggag agaagagtcg tgatgtttgg 360
 agcttaagcg ggctggcggg atnggggttt tgattctacn cgaagatttg tggntgaatn 420
 ggttaaagag tttgacttgt ttttgattaa acctctcta 459

<210> 175
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-A1

 <400> 175

 tttttttttt tttttttaat gatggattga tggaggagaa tggagatggt gtccgtgcag 60
 tggttcatga gcatagagag gagcttcaac gcctaaatgc gtatattcag ggaggttact 120
 aagatcttga ataatggaaa gaaaagagtt ccctgttggtg tcgtctgggtc ttgtgctgct 180
 gaatctgaaa agcttccaga tcagtgtaaa tannnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncaaaactaa ggcccttggtgc 300
 tgcttccctc cttgcgctaa cttagcaaga gataaaacca aaaaccctga tccctttatg 360
 aaaaaaaaaa aaaaaaagcc caanccgaat tc 392

<210> 176
 <211> 386

<212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-A3

<400> 176

tttttttttt ttganctgca aatctgggtg aagaaattaa gcaatataca gagttacaag 60
 aattaagaag aataagatct aaatatctac acagagaaca taaggmnaga agaagaanag 120
 aagcagaata atttcataac aagaaaaagg tattcaaggg agaaatccaa ataggaatgg 180
 agaagggtaa gaagcgggtan aaggggagaag accctggcgg aggacaggcg gagngatgtg 240
 gagcacggtg gttgaggtgt tgccgcataa caatctggga cggcttcagc caccaccact 300
 acanactcca tacctatctt cattagctct atacacagct ccatcctttt atcaacaatt 360
 ttccccctgtt tttttttaat atcccc 386

<210> 177
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-B1

<400> 177

tttttttttt ttgttttgtt tttcattgat ataaatactt ggagtacacc tccttacaac 60
 tagaaacaac atggaaacaa acgtggagta acaacttcta caaacttgga aaagatggaa 120
 actgtaatcg tggaagactc cttgcttatt gtaactaaat cgaaaacaga gactaagtaa 180
 aatgacttag tgttgggaat acttgggatt ggggcatgcy agtcccttaa ggggccttct 240
 ccttcctcnt cntcctctcc gtctggactc atcatattgt tgcataaaatc gtcctcctgt 300
 ttgatatccc cgtttagcaa atttgtcaac aagcttcgag tcatcatcac ctgaacaatc 360
 ncccgagagan ttgcgcaaaa ttggtcaatg cttgctcca tttaagaact ttccaaggat 420
 ntt 423

<210> 178
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-F10

<400> 178

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnga aatgagaagt aacattaact aattacaaga 60
taggatatta aacctcgtgt gatatggaag aaaataaact tttgactaat ttacatatgc 120
aaaagttgta gtaacctgaa aaaaaaaaaag aattctaaaa acaaagggtat acctttagg 180
aaatttcgta ttatatagtt agaataaaga atgtactaaa tggaagaaaa aaatatatat 240
atgaatctag ccgagactat caatggccaa caccgggact aggaacggat cggagatacc 300
gatcaacggt gggagagatg tcgtgatcgg agctttccgg cgaagacggc cgcgtgacct 360
ttttgctcgg tgctgagttg ggaattttcc cctttgggaa a 401
  
```

<210> 179
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-F3

<400> 179

```

tttttttttt ttgaatctga actctgattt ttgaacaaac anatttacat gacataaagg 60
tacaanggaa aaattaaatc tttttttttt tgnttnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc atacacaaac cagaatgtta 180
caaggagaac tctcaaacag cggtctctca ggctctctc gctgcntccc gtctcatttg 240
atcttgtttc ccgctgcttc ggaagtacat atacacttgc ngantaaccc agatgctaac 300
cactgattcc anggcaggaa aaatgcaaac ccaatgaagt agaatatccc ancaattgcn 360
ttgaccactt aagacatcct agtgcaggna nagatncccg caagagattt ncctttgaag 420
  
```

<210> 180
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-F4

<400> 180

tttttttttt ttttttttta agccagaaac gacgtagtct ataaagagaa gaagtcaagt 60
 tagtcattta caaaaaaaaa gtcagtttag agcattatct ttgacaaacc acaattcttt 120
 tgctgcaaag gttaacaaat tttcacatct tccttaactc ggcttgaaac ttttcgaggt 180
 cttcaagctt tccatcaaaa gtcattgctg aaaactcttt gccatgggtc ttttagcctct 240
 ttacttttagc gctttcactt gctttcattc ttcttgtttt cagcctctcc acgcttgcac 300
 gaagttccga tgccattttc gtcattctctt tgaatatttc atccataaga agactcatca 360
 taagagctcc aaagcttcat taacgagtct caanaag 397

<210> 181
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-E8

<400> 181

tttttttttt ttcttaaaac tctcattaaa aacaatgata aatcaaacat gcttcggttc 60
 agcttgggta ctgttcttgc ccattctcaag cgcattccca tactcaccat cctccacaaa 120
 ccttgaccaa taccagtgtg acctccacac ttgacccatc tcctctatcg gaatcccttt 180
 cgtctccggc aagaaaatgt atacaaagat cgacatcacc accacgaaaa aggcgaaaaac 240
 aaggaataac ccaaacttca aatgacaaag catcgtcaag aagatttgcg cgataatgaa 300
 cgtgaagatc atgttcacgg acacggtgat actctgcgcc gccgacctta tctccaacgg 360
 ggaagatttc actcgggtact aaccacccta gtgggccccca cgacnacgca aaanccggca 420
 cattga 426

<210> 182
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-F7

<400> 182

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga aaacctgaga catcatatta 60
 tcatacaagt ctagatgaac agtgatgagt anataggtaa aaggtagaga gtcgagagat 120
 acagagaaaa gagaacagtg actagtagtt cattacaana atttggtgat gctggttgc 180
 aaagtgtctt tagagacagc accgangatt gtatccttct tctcaccatt gacaaagatc 240
 atgatagttg ggatgcttct aacaccatac tggccanggg ttgcaggaga cncatcagt 300
 ttaagtttgt agnaacttga actggccggc gtacttttgc ncnanttcgt tgacaatggg 360
 atcaatcact ttgcaagggt cnacaccatg gtgcccaaaa agtccgnc 408

<210> 183
 <211> 167
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-037-Q1-E1-F8

<400> 183
 tttttttttt tttataaata cgagttccca tacacataaa atgaaaagaa accaaggtaa 60
 gatagtctc aagagtttta ttaagcatga gatgatgaaa atgttggttac caaatcttac 120
 cttggtttct tttcatttta taaatacgag ttcccataca cataaaa 167

<210> 184
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-G10

<400> 184
 tttttttttt tttcagaatc agtaaaactt agaatgagcc acatgaagaa agagatttca 60
 ttagcagtga agaaaaaata gacaagcaag aaccgacgaa actctctctt gctctcaagt 120
 tttgactcca attaataaaa tggcgacaca gtgaaaagaa aataatagtg tttttttttg 180
 ccattgctct acgcctaaac tctctaaaac caatagagct ttttgtttca aaagcacatt 240
 tacgcagcaa cagacacacg gggagcatca tccacgggtt tcgtagctct gttagcatca 300
 tttccgccac caggtcttac tcgtccattg ttaccattgg ccctcgggaa cccaccacca 360
 tcaccatttg ctcggtttgc gtatccgctt cnattgttcc cc 402

<210> 185
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-G6

<400> 185

tttttttttt tttaaagaag tgagaaactg gatttctaca attgaacaaa tatgtttcat 60
 acaattgtgg aaatgacagt ttcagactca tccgttacat tttaacaaga atattgcctt 120
 gtctttttca ttagnactac aataaaagcg ataaggatag tantattgtg ttttctctgt 180
 gtgatgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nctttaaacc ttgagaaaac gcagccagac gaggcaagg gcttttgtgt 300
 agtggggaac acntcaattc tggctttgat cgacttcttc ancanatncc ctggtngntt 360
 gagaaagagt ttcaatcttg tcgtgaagcg tcacgacaag aatgatgggc atcatccaag 420
 aangcttcca agac 434

<210> 186
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-G7

<400> 186

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 gatcaaagaa anaccaaata agatttcanc aaaagcanca aattgcaaata tcaanacaan 120
 gacattacaa ngggatttca gacaagagtc aaagnttcag gtcaaaacaa cccaatttca 180
 aacataaagt cnacaanang ctcaaaagac aaaccaaagt gatcatcatc anttcttagc 240
 agcagctcct tttcctcnag ctgcacnacc agaactcgca cctgcagctt gagcagcttt 300
 cttagccgct ttcncttgca atgctttccc atctctttca cggcggttgcc ccgngtcaa 360
 naccatcgtc accattcagt accctttcca ccagcacgag nggaagctct ttcacgggca 420
 cgcnc 425

<210>	187
<211>	141
<212>	DNA
<213>	Arabidopsis thaliana

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngtg tgtgtaacta 60
 agaaaagtac aaaaccacac atgacacaac agtactacac tctcaattat gtgtacatga 120
 gctataaaac tgcccccttg tttactaact agatatataa cgagtactgt ttaatttaat 180
 ggtttgatat aactaaaaat taggagaaag agaagaagga gcgtttggca ggaggacgtc 240
 caagggctct catgagatta gcaacttcaa ctacttttgc aacctctgtc cctctctttg 300
 cctctgccgt cgctctttct tectccgctt tectctgcgc ttctgccaca ttgttttgcg 360
 tttctccat cgcttttgc tttctctct ctag 394

<210> 190
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-H12
 <400> 190

tttttttttt tttgttgaaa gcttgattct ttctttttta tggctgaata tttcacaatc 60
 caagcttgtc atatacaaaa tagacaaagt tgcagacaac aaagtgtttg tttagatttg 120
 atagtcgact tcatatgggt ttgtacctgc cctatagtaa caagcttcac attcaaacga 180
 aggccgagat gcagcatcag tgattgcaat ctcatgtcga cgactactgt gattagtgc 240
 atatgggtta ttgcagaatc tgcacttggg aagcacaagc caacattcaa gacacagaac 300
 atcatcatta ccacacgctg cttcttgact ctcatgtatc gaaccaacaa ggnacactgc 360
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atcttacaaa tcataagatt gtttcccagt gaatttaacc tcaatgggac taacattttt 180
 accgatggat ctcatgttta gtccaacacc ttctcttctt ggattcnctt tctctggata 240
 aactccatct ttccgggtgaa gatattgaac ctctccgtta cgggaacact ctgtaaaact 300
 ggtaangtga tentgtactt tgacctcaac ctcgtagcna aagccaanac acgggttcnt 360
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 ntggca 426

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 <400> 192

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 ccatcaaagt tatcacaaaa ttcgaaagaa agagaaaggt agtttcagag aaaatggagg 120
 acaaaagtta aaaataactc aatgaaaatc tgtttcccca taaaataaaa cttcaataga 180
 agaagccgag aaccttgctt ccaacattct tccttctagc ttcttcatgg tccataatgc 240
 cagcagatgt agtcagcacg atgtaaccaa actgtctaga agggagcaaa cgggcagtcc 300
 aaccttcaat ttcttggaca ccaacatcaa aacgtgggct gataacacca cacttggtca 360
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<210> 193
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 <400> 193

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 gcttgctgct gcagaagtcg cagaagcact taagaccgtc gcattttcca cctttcgcgc 180

ccttgtaaaa acgacaatTT cgataacaca acgacggata aatcctagcc atacaatagc 240
 ttaaaggcgc atcaatgtat ccttttagac attccttata tttcgcttct atctcaagat 300
 atttcagagg tgaccaaaaa gaggattaaa aagattgcga agttagaaac tgacttcatt 360
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<210> 194
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 <400> 194

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 acaagatatc cataacaaca caaacaaaat cacatagaag actctgtttc aagttccaac 120
 aacacattat tcaaaaccca ctctttactt actcacttac tctcttctgc taagattagc 180
 caagctcatc aagaattaat cccctgacga taataatgat cctacagcct cctccatgct 240
 cttcccattt ggattcttgt tccattccaa ctttttcta aaagtctcca cgaatttctc 300
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<210> 195
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 <212> DNA
 <213> Arabidopsis thaliana
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 aagttcaaac caaaaaagaa cacgaaagca agagtcggaa acagagaaat gagcaaaaca 180
 agctttttaga aaatcaacta gagagggagc gatctggtga tgattcttca ttcctctgca 240
 gcacttgagg cactcaggtc aacacttagg tccagttgct ttccggtgat tagggataac 300
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397

<400> 196

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<210>      197
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<212>      DNA
<213>      Arabidopsis thaliana

<223>      Clone ID: ARABL1-036-Q1-E1-G5

<400>      197
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<210> 198

<211> 373
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 <213> Arabidopsis thaliana

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 actgaatggg acaacatcaa accaaacctt ctttggttgc ttgatgctat tgtctgcgtc 180
 gtactagatc tatttataat actgcagtat atctactaca agtattgcag gataaagagc 240
 ttggaaagca gagaagaaga cgcctatgga gactatgttg aagcaancaa aacttttggt 300
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 tgatttaaaa naa 373

<210> 199
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 199

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 aaagagatcc aagattgcaa tttatgtccc agctggctaa tacaaacgaa catctaggaa 180
 gtgtttgagc tatggattga ctatagcttg gatctgctcc aatgtcttcc cttttgtctc 240
 aggcacgatg gcantgacga agacaatggc cagcgcgttg atggcancgt aaatgangaa 300
 agttccgtaa ggagctccag gacatganga agttgaaagt gtaagaaana gcccacgctc 360
 caagancaag ttcaccagcg tcgccaatgc ngcctgctac ctc 403

<210> 200
 <211> 286
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 aggagtcca atcgaacaaa gtgtacattt tggaacaaac ttgcttaccg tcatcgctgg 180
 aactgccgag agagctccca ctctcgaagc catttctact ttttttaaga gcttccaaaa 240
 tgtacacttt gttcgattgg nantcctttt aacattgtca aaactc 286

<210> 201
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-H6

<400> 201

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 acaaagttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnntcacat cacattcaca naaactcgtc ataaatanac catcccaatt 240
 cccaaatggc ttangaanca aatgtccagg gcacaacagc aacacatggc cgcangacag 300
 cctttgnaga atccgtcacc cttanacttg ggtttccacn ttagcctgag ctacngagag 360
 catgactccg gttggctagt cggggtaacc aancgggcg 399

<210> 202
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-A12

<400> 202

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tccaatttaa gaccatanaa ggagaaaatc gtgtgaaaga caagacagat agacagacac 180
 gaatattcag aannaaaaaa tttcttttct ctttctaaca ccacagattt cgcaatcgtg 240
 ttttgatctg attcttccag gattctcccg gtggcggaga gaaganacag gggaaacca 300
 nnaagcattt ttcncaatgg cgcgcgacta cacggagaaa agtttgnann ctttcagann 360
 naacaagatg gatcngtcnn ccgncggctg ccatgtggan acaa 404

<210> 203
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cgttttggtt tcgttttctc 180
 atctattatt ttctcaacca gatctaaca gatccccaac agctcagaaa catcaccgtc 240
 ctcaaagatt cctccgcttg cctcagcctc tcaactcgccg ccgcaccaaa tcgactcgat 300
 tccaagatct cctttaagcc tcctcaccga cgacgacgac gacgcactcc gtgggagacg 360
 aagaccgatt cttggcnggn agatcttaaa gtcgtatctc nggcc 405

<210> 204
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 <212> DNA
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntttca aaatctacga 240

accaaataag actcttcttg atacaacaag acttgaatgg ttctcngttt ttgtcctctg 300
ataaaaagact cccagcaaaa tcattcagat acgtgattta gtttctgcag tgttttgctt 360
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<210> 205
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-037-Q1-E1-B4

<400> 205

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tttaccacaa ncacaaagag cttcttttag ttctgatgga ttccacttgg ccatgtcaga 180
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atcaacaccg angaaatctc cttgtttgcn aaactgtatt gcagagcnta acnntgtgat 360
catcnttgcc ctttgcgttt gcngtgagca actgcngggg tgcntgnagg acttgaggcc 420
canggggaac cg 432

<210> 206
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-037-Q1-E1-B8

<400> 206

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gagcagatca cttagatggg tctctatggc tctcctccaa gctcaactct caggttgtca 180
tatggataca ctctcggtgt aaatggaacc ttagaagctt tgtcgttcaa aacacgcgagc 240
agaccgagac cancagagaa ccctaattcg ccaactcaacc atgccaatgc ttcatacttt 300

ccgacggtat cagcaatccg atctatgcaa ggctctggaa acgcagtcnc gttgtccan 360
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<210> 207
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-037-Q1-E1-C10

<400> 207

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tatatatatg tagagaagaa acgaaaccac gcgcgaagac actcactcat tagaacaac 180
tctttgaaca gagagtgata tctacgacca gccaaaccag taatcaagaa tatagaccag 240
acccaaggag aatgggtaaa gcaagtaagc tatgaaacat gtccaaagag gataagttgt 300
gcggaaactc gcgaaaccgc ccatcaccag acaaacgatg agaatcacca acacttctga 360
tgagaagtte catgtcagtc ctcgaacggg agacgattgc 400

<210> 208
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 208

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ctcggaaca ttaagtatac tttaataaag acagttttaa gttttttttt ttaaaggatg 180
aggatgatga atgcaagact tttatagggt caagctttcc gatttgatgg aaccacagaa 240
acatggaagt antcctttcc attcctttgcc ggggttcact gtgatcggtt tcgcnacagc 300
cgcgctttcc accgttatac aacgcttana gncntcaact cccaaatcgg atacnttctt 360
agcccatgga ttccanacca acgggggatc 389

<210> 209
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-D4

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 catctgtggt tcatcatcat cgtctcgtgg aagctgagag gaggagatcc ggtggaagac 180
 ggtggtggag ctctgttgaa tctctcaggg ctacngctcc tttctcgctc tcttccccat 240
 ccantgntgc ttctactgtc acggggaagc aaagctacct ctgccaccat aaccagagtc 300
 gccaaaccag accacggggc gccnggaagg aggtcccca cgaactgaaat tttgttcaat 360
 ccccccacac cacgtgtagc catttcgncg gatntgaggg nggaactccc tgggttt 417

<210> 210
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-E11

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 caagtgatct ctttctcaat tgcacatcaa atgaggtaac aattacaaca aaaaactata 180
 aacctcccc caattgtaat ctaagaaaaa atgaataact ttaaacaagt caaacttgat 240
 ctattgtan aaaatctgta agagaagctt gtatatcttc caatgttctt cctttagttt 300
 cgggtaccat cgcataant aangacnana cccgcaccac atanagtaaa cgtcgagncg 360
 ggttcccgag cttacngtan gcgtggcagg gcgangtcat a 401

<210> 211
 <211> 411
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-E6
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 atacaaaata tctgtttttg ttattgctac aaagaaacaa ccagaaatta tattcttctc 120
 tttgttttat ctatcttaca catttgctga tgatcttcat atatagaacc accacacaaa 180
 ggaaacttcc ttgaggaatt tatactcttt gtcttttcga gctcatgctg ggcgcggaacc 240
 ctttttaaaaa gccgagtcaa agatgatcag atcagcttaa acattctcaa aaccactttc 300
 tcatggatta agtgagcttc tttcacctta taatccttat cccatatagt gttgtttcca 360
 cacctaaaga cgtatagtgg ncacaatttt cgtcacatgg gaccnatatt c 411

<210> 212
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 gaagagtcac agactcaaaa acataacaag acacaaagta cttaaagtag caaataaatt 180
 acttgctaac attttcttct tcttttgtct ttcaaaagac agtttttttc ttcacattta 240
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<210> 213
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-A4

<400> 213

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aataacaatg gcttaaaatg agtttcaagc gtatataatc cataataact ggatcaaata 120
gatatacaaa cacataaact ganaaacgca aagtcctcgc aagtacctct tcatttccac 180
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<210> 214

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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gaacataaat tatgcaagta gaaaacaaac ccagtanaag aaagccaaga ccagtttttag 180
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ncatcacgag cgntggcgat tgtantggag gcangatgca tnaactcanag gaaggcgtcg 360
canncttcca naancggaga aanctggggc ttgacgaacn gggnacttcn ggggcagcga 420
gatt 424

<210> 215

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-035-Q1-E1-G5

<400> 215

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aaagagaaaa aaaaagagaa tcctcacaat aaaaatacaa agaattgaaa gaacaaaaga 120
agaagaggaa gatttaatgt aatactcaac acctaataat tctctaataatg cttcaaaaatc 180
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caaatacaaa ntanncgcaa anacaatcaa ttctcatcta actttttaatc cctccaattg 300
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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-036-Q1-E1-B3

<400>      216

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aaaattgaag ctttgtaatg ttccattctc ttacacaaag atgctactat ctggagccac 180
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gccaaaagcc tgaagcaaag cagcattgca tgttttcaac ttaatagaag ctccagagag 300
catggaagct gcttcttccc aacccttatt atgccccata cacatgatag tggagatatc 360
aggggttgaa tatttgggag ataatgtttt gaagatgctc ggctgtttgg gcatccanaa 420
ca 422

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<210>      217
<211>      415
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
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<400>      217

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actttattga tactgggatg aaacaataat aatagtaacg acatttatct tgtcactgcc 120
 ggaaatgcta taanagaaag aaaagaacaa aatctttatt atgaancctt ggtgtcatgg 180
 tgggtgttcag tttctcagac ggctttgggtg acaacagcat ggatagcgtc tgcaagggtga 240
 ggtacagtct tcgaactcag accagccatg cttatcctcc cgtcagatgt catgtagatg 300
 tgggtactctt tagtcangaa ggagacttna gctgggttta accctgtgaa ggtaaacata 360
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<210> 218
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-B8
 <400> 218

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 tattatcttag caacctttta tttatacaca caaatgtaat acgaatgcaa agcaggggaga 120
 gaagtgacaa ataatcaact tcatttacat ctaaagttga aatttctatt cacttatcca 180
 aaagtactag gacaatatga ctcacgggtg aaggcgtctg gtgctgacaa gttcaatgtc 240
 aaaaacgaga gttccaagag tagaaccttc tccattggcg agacgtgttg ggttaaatat 300
 agtcgtgaag agtctctgtc tgtcaaagaa gtttgggtgg gagaggctcc tgtgatgtat 360
 tctgggtatcc ctgagatgga ggnataacca nccggacgaa tcccggcccta cnt 413

<210> 219
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-C2
 <400> 219

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgagca aaaaccttgt gtcttcaact 60
 ttgaataaac cccaataatg cagtaacaag agattctgat aagctttttc tcttgggtta 120
 aaaaggagtc aagagatata taacatacag tttttccgcg tatgtaatat gcacaaacca 180

aacgcaggaa tagaggaaga atttggattt gatcnttaag atctcactca ntcttgatta 240
 ctttttgtca gttgncactc caacaanaac attgctcacc aactttccgc tttcancaac 300
 ggacatgggg ttttctaaaa caacggtttg ggtctgagag ggtggtgttg aanttgaggt 360
 agagggggggg acaagcctgn tccattnggc ccgtagttg ggaaaagtnc c 411

<210> 220
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-C3
 <400> 220

tttttttttt ttctcataag tattatttta ttgatatgtc tccatttgaa ctttctgaat 60
 aaagctacaa agggcataaa agcccataac agacagccat gaaataggcc cattagagat 120
 acagttcaag gaacgtgtca gaatcataaa gataagctga ggacacgtgt tacttccaca 180
 atctctgctg gatgagactt caaatcacgg tgaatcatag aacgtcgtcg gaaaacgaag 240
 ccgaacaacg aatcttcttt tttctcaccg attatggcaa tcacgagtat ggaggacaaa 300
 acatcaatat actgagcttt taaccagcta acttaggcgc agaactgtct tgacaactaa 360
 atcgaaagaa acatctagga ttcaacaaaa gctatcaaca nataaacc 409

<210> 221
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-C4
 <400> 221

tttttttttt ttaagaaaaa gaaaaaatc tttcgttact tcgagactaa tacatatcca 60
 cacatttcnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnntc gttatgatta ccccaatcca atagactatg 180
 tatgtgtcgt atctctatat acatcnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnngccat cancnagaca ctgcatgacc ttgacctgca tacnaaggca 300

CG44304-1636

cttgatgtaa tgagccgtct cttccatcag ctttgacgtc nccattcctc ngcctcgcgg 360
aacaggattc ctcaggcctc gtccgncggc ct 392

<210> 222
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-036-Q1-E1-C6

<400> 222

tttttttttt tttttcatgt aaaggcactg attttatata tcacacaatg aaactgttac 60
tacaagttaa cgtaagagaa tagtgaagga acaagatcaa caacggacca ggcaaggcct 120
gcatattgga agaaccttat accagtatca atatcaaacg agtcgtggct caaaaactcg 180
catagtttct gcaaatatcc aactgaattc ttggggttcgt ctgtcttctt cccacttgca 240
tacccttga gcttggaat gtacatgctg gatcttattg gaatcccaag tgcgttggat 300
accattggta aagtccattt tgcaagagat ttactgcaga acttcactaa tagtatccgt 360
cgttattccc accatgactc taccaaggta ggatganata gggagctctg ggga 414

<210> 223
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-036-Q1-E1-D1

<400> 223

tttttttttt ttaaagaaaa taatattatt acaaatactt ttttcacgt aaaaacagca 60
taaaaactac ttttaccatc gagtaaaaac aaaaaagtc agtggaactc atacgtccag 120
atccagcaat tacgcacacg acacaaacna nttttgtcat ccagtcatca ccanatctag 180
aacacaaact anaaaatacg tatcgtnat gacchanacg ccattcagat tcaggggtan 240
ttaccacgaa nagtacaaat tggaaagcga gggaaaggac gattccgaca aagggtaaat 300
ncgtaagctt cacttanncc gntcttgngc atnctctctg taccttagga nacgaancta 360
ccctctgtgg ctaagnctgt tgcttaaacc tgttgatgan aattgaaggc tt 412

<210> 224
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-E9

<400> 224

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tttttttttt tttggagaca aaggagcatt tgttttattc attttatcaa gaanacagag   60
atacagaaaa ttaatgaaag cttttttgag aaagaaaatg catagatcaa atanaaatac  120
tataaggaac acccattccg gtaacaccat gtcagaggt aggcttcaaa agctcatact  180
taacaacacc agctccagct ctattcttta gagtaatgtt cacgtttctc tcatctatca  240
ctccttctag atattggagc ttgcctttga atctttcana tgcagcattg ataacaggct  300
cattggccca agatgcntct tgtngttctc caatgtactc ttccgtcagg tgaatgtgtt  360
gataanagga tcaacgtgac catcactagg gtcgcct                                397

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<210> 225
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-F2

<400> 225

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tttttttttt tttttttttt tgtaaaaagg catgctcata tttaaagaata aaaattcacc   60
aaactctgtt gcagaaaagt cttaaccaac ataacattaa actgctttca catagaaagc  120
aaaagtctta aacaacatta cattaactcc tttcacataa acagaaaagt cttaaacaac  180
attacataaa ctcttttcac acagacacaa aaggctcttt cntgctcaac gcatcaacac  240
tcttagttca agatttcacc tgtnatgggt gaaacatgtn ggctentaca cntctgccca  300
tttttcgaac cgaccactac cataggcttt ggtggatatca aaccggggccc tgaaaagcat  360
genttcacng tgtcngttgg ntgnnctcc aacagatnng caagnacctg gagtccggcc  420
aaa                                                                423

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<210> 226
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-F6

 <400> 226

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tttttttttt tttattagaa atatacttca tttatgatgt acgaaaagaa agatcgaatg   60
tgtaataacca aaattagaga gaaaaatatac ttaataatTT ttttcataac ttaaaaaaacg 120
taatagtttc gcagaaaaga ccttcagaaa gtgtaacaaa aaattataaa actaacaaaa 180
ttcaacccaaa gagaaacgaa agacagagat agcgaggctg aaggaccagg ggtctttact 240
agcccaacga aggggaactga gctgtgtctc caatcgccgg agctgcagct tcttttgcatt 300
acctttgggt tcttccttca ccacgaccac cgcgacctcc tcttccgcgg ggagcctcca 360
cntctcccgT tgtactcttt ccatcaagcc gggcntc                               397
  
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<210> 227
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-F7

 <400> 227

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tttttttttt ttttnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn caccacacca attattcgca 120
taaatagtat agatatatca aacgatccaa ttcgggttca gtttagaaac cgtggatctt 180
gatctgatcc ttcttagcaa tcccagtttg gaccaagaac tgagacactt tcttcctttg 240
atcaccttga agctggatga tcttgcttag ttctttgtcc tgcacaacgt taccgttgca 300
gcagaaatct ttcttcaaat ccttgngaat cctctccgta gctgtactct ttcttaagcc 360
cttgaacaag tcgtcaagct ctttttccca tctctccgct ggnttcgaaa tgtg          414
  
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<210> 228
 <211> 311
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-H1

<400> 228

aaagacggtt cgttgcacaa gcgaagacaa gccttgggat atatctacga gaaacagatt 60
 gttcacgctc tgtttgctga ggttctctgat agatacgggtg agagaaacgg tggatacacg 120
 aggatcatca gaactcttcc aaggagaggt gataatgctc caatggctta cattgagctt 180
 gtctaaggtc aatatctctt ttattttgct caattgtttc acttttgctc tgtaatatgt 240
 aaaaaacagt tgttgatgca gatatgagat cattttgttt ngtgaaacaa aatgatttca 300
 tanctgcac a 311

<210> 229

<211> 494

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-H5

<400> 229

attgaattta acgaacacta tagaccagct atgacgtcna atgcacgcgt acgtaagctc 60
 ggaattcggc tcgagcggct cgagggaacc gatgattggt ggtagaaagt tcttggtcaa 120
 ggtcaatgcy aatatcgga actctgctgt tgccagctct attgaagagg aagtctacaa 180
 gggtcagtg gcaaccatgt ggggagctga tacaatcatg gatctctcaa ctgggtcgta 240
 catccatgag acacgtgagt ggatcctaag gaattcagct gtgcctgttg gtacggtgcc 300
 tatttatcaa gcacttgaga aagtggatgg aattgctgag aatcttaact gggagggtttt 360
 cagagagact ctgattgaac aagctgagca aggggtgtaa ctatttcaca tccatgcctg 420
 ganttttgct gcntaaaatt cccttaatgg caancctttg aacnggattg nttcccttg 480
 anggttcaat caag 494

<210> 230

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-H7

<400> 230

gagacaaaaa ccaacccaaa ttctttctat atattaaaaa aaaatcaaca caaaggaaaa 60
aaaaatggat tacgttttgg ntgttttgcc acttgcatg tttctcatag cttacaaatt 120
cttattctca tccaaaacgc agggcttcaa tctccacca ggaccaactc cgtttcctat 180
cgtcggccat ctccacctag tgaaaccacc ggtccaccgt ctcttcgcc gcttcgctga 240
aaaatacggc gacatcttct ccctccgtta cggctctcgc caagtcgtag tgatctcttc 300
attgcctctc gtaagagaat ccttcaccgg tcaaaacgaa gtcatttaac aaacagaccg 360
aatttcgga cggcaaatan gtnnctaaga ataacacaat ataggaacgg cggcttangg 420
t 421

<210> 231

<211> 387

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-031-Q1-E1-A2

<400> 231

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnactaagaa canaaaatcc antaacaagc tcaagcatta 120
catcaaaactc aanattgaga naacaaaggt tctatcatga anaagctcaa gcattacatc 180
aaactcaaca gtgacanaac aaagcttttt cncacaaaaa caatagataa cagtanaaac 240
aaacatagaa aaacatagca aaccaaagan atttttcnct tttaaagtcn caaancttca 300
anaacattgg aaaccangtt gaacnattgt ggcaanaaag ttccccaagg tttccaaggg 360
ttcttgaaga tttgaaacca tgagccc 387

<210> 232

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-031-Q1-E1-A7

<400> 232

tttttttttt ttgaatgaag ttgtttatag gttcataact tcacaacaca atgtaaaaac 60

ataatcaagt accagtacca tcaactcaaaa ataacagaat aagagaatag atctttcaag 120

gggatgatga taataaactt tgggtttttac tttttanttg gcacggctcc tgaaaacatc 180

gagatccatc tctgttggat cagttgcctg tagctctact tgaatcccat ctaagttccc 240

tcttgaacct gtccttggag ctgcgctaga tcatctngct tctcacctta gcaatatccg 300

gacaccacgc gantgaagaa gatcttgctc ttctggcaan tctcagcaag ttacaaagtc 360

aaaatcgnaa atggcgtaac gggcattcat caancggaag acatgcgc 408

<210> 233

<211> 496

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-G1

<400> 233

ttgaatttan gcaacactat aggccngcta tgacgtngaa ancanncctt anttancccc 60

ggaattcggc tcgaggggtgg tgtcattccc ccagcgtggt gtcctggcgt taaaaacctc 120

aacagcatag ccaagacgac ccagaccgt cagcaagctt gcaattgcat tcaaggtgcc 180

gctagagcct taggctctgg tctcaacgct ggccgtgcag ctggaattcc taaggcatgt 240

ggagtcaata ttccttacia aatcagcacc agcaccaact gcaaaaccgt gaggtgatga 300

gctagcaacg gtgagatgat gctactaccg gaagtttcga atccttatta tataatggat 360

gagattaata ttaaataaga tgttcgaatg tttgntttta aagtttttaa tttcctgtcc 420

ttttccaatg tgggtgttcct gttanatggg tttgtcngta ctatgttccc aagnaacaac 480

gttatatgaa atttca 496

<210> 234

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-031-Q1-E1-C5

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 ttgatgtaat tcaacctcca gaactttaag tattaactta gaataacatg agaaaactag 180
 tactgtccca aaaaaagaac catccccatt gggtttttaa ccagaaaacg aaaaggctct 240
 ctaagcaact ggcattgctg gataatctgt ggtgggtaat ggagcttccg gtacaaaagc 300
 agcttgagta acaacctgag cagggtgcaat gtatacatca tcttctttcg gtgtatggat 360
 gatcacaaca tcaggcaatg gtgtcatcng tcccttggtt tgcccctggg ggtcccaat 419

<210> 237
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-E6

<400> 237

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 acattganga agagaaacat tnggtttttg gaagaaaaat tgtanctaca gaatcaaaaa 120
 catcannccg ttttctcaca aaccaaganc accnaaaggc gttttcccn gcccggcctc 180
 aaagtaaaan atcaacatgg caaccattgc gagcctcaan tgcttaatat ctgccaat 240
 cagcctctcc agctttctcaa agtcgggctc ataaacaccg tcgcggtttt tcccggcnag 300
 acccaaggga tcgaagaatc tcccaacggg gtatcccgna tcgcccgtac cagttccgcg 360
 aaattctcgg ccgtcttcga ccangggcgt t 391

<210> 238
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-E8

<400> 238

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 ttaagcaagt ctgcagtttt gctgcaataa cttataagtt aacaggaaaa atgaaaaaga 120
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agacatataa gaatcagaca cttgcagggt cgaaatgatg attaaatctc taagcttctg 240
gttccatagc tcaaccttgg ctatcgagat taccatggcc gctacttctt ccacttccat 300
aagacacatc atcaccacca ccagctgaat tctgccaaac gctttgccat gcctgagaan 360
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<211> 383
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<223> Clone ID: ARABL1-031-Q1-E1-F2
<400> 239

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caaaaatggt acctaacaac atataacaat aaaccaagaa gttccaagtc tttggcctgt 180
agtctcccta gacccaaata agacctcatt tattggtaac tatagcatgt cgaactagtg 240
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<210> 240
<211> 399
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<213> Arabidopsis thaliana
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<400> 240

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cgcttacgtt aactaacggc ggtggtgagc tccggcggcg atcggagctg gaggtgggtt 180
gcattggtag catttggcaa agaggccaaa agtatcaatt tgcttgatga agttgggtcat 240
actggcccat ccgccaacc cgaacccgag aactaggacc caaaccacta tgaaagcgtt 300

tatcacgtaa actccagccc agctagggat aaaaaacggt ggtttctccg ccgcgttccg 360
gccgggcaaa agccgttgcc ggtacgtnaa ccatttggg 399

<210> 241
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-031-Q1-E1-F5

<400> 241

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ttttggttgc accaataaac agcataagca atgaaagctt gaaacaaatc taattatgag 180
attctcggtg aaaataaaac accacaaaac aagaatctcc aaagcaaactc tgataacatt 240
acatacaaag ctgagttttt gacttattcg caagcaagtt ttgtgtcgaa actgctcaaa 300
cagatagcga aagcctgaaa cgcagagagc ggataccgga aatccatcgt gaacangtct 360
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<210> 242
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-031-Q1-E1-G1

<400> 242

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ctacgcaaaa gttctttggt tcanccggtt ttagatgaa tccacaaact ccagatcttt 180
tactcggcaa agctctttct tcggtgagaa taaaccatca ttaataaact acacttgtct 240
gagggttgctg gtgaataagg agctgcaaaa acttccatta natttcttta ntaacantta 300
accggagaaa ggtactttat canccacg atcnactggg ttccctccann agtcatnncg 360
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<210>	243
<211>	666
<212>	DNA
<213>	Arabidopsis thaliana

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ggccgttttg	aaggaatctt	ttcaagaagc	ttttcaattg	gagttaatgg	tgcagttggt	180
tcagcaacca	cttcacaaat	cttagagaaa	gaaagttgag	gattctttgc	catgcaagca	240
agcaactctg	caacctggag	at ttgagacc	tgaccaccaa	acaatgtatc	gtctagagca	300
agagtgagat	catgagtttc	tttgtatgca	tcagtcggtc	tctccattcc	tccaggtcta	360
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aagaactccc	cagaataggt	tgagaatcnc	agcgggaaat	ccaaatttat	ttgtcccaag	480
gatgtcacca	aaaatgaaag	ttattaactt	ttgctgatgt	tgcagcatca	acaaggtttt	540
tgggtggcta	aggttaaccg	attctggtaa	ggaccggtta	atatccggaa	atntcnttcc	600
tcgctaagca	ccaattnagc	ataataatca	ccgaatgcaa	ttccccaat	gcggggctgt	660
aattna						666

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ggtggtaatc ntgcagtagn ctgtgaatta ccngagacac taggnnccga gctatgacgt      60
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aagcgaacgg tgttcctttg cggattgcga tcgttcgcgc gatcccttca tcgcncgatc    180
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 ggccttggtt atacaaatgg ctccatctcc attctcaatc taaggactgt cctgtttgca 420
 aagccgtgat cgaagaagac agattggntc cttgttcgg tanaggtaaa tcgtcctgct 480
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<210> 245
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 <213> Arabidopsis thaliana
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 gcacctgagc tcatttttgg agccaccgag tatactacag ccattgatgt ctggtctgca 180
 ggatgtgttc tcgccgagct tcttctcggg cagccattgt tcccgggtga gagcgggtgtt 240
 gatcaacttg tanagattat aaaggttttg ggaacaccaa caagggaaga aatcaaattgc 300
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 aagattttcc acaagaagaa tgctccaaaa nctgttt 397

<210> 246
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-D1
 <400> 246

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 caggttttga cctcagagga tcaacttttct ctcttcaagc ggaagttcgg gaaggtctac 180
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 ctccgggata tttattggaa gaccaatggg tattcctcaa tggcaactga aaggagaagc 360
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 attggt 426

<210> 249
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-D4
 <400> 249

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 agccggttgt ttctggtgtg gctgttgag gcggttgga aggcttagtg gcctatatca 240
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 aaaactttgg agtgatggga actttgggcc tggaatgata accggggaca acgcttcaaa 360
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<210> 250
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-D5
 <400> 250

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 tcgtgggacg gctaattgtg tgctcaacc tatgtgggag gttgcgccag ggactacgaa 180
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gcagcagcct ggtcaccaaa tgtgggcgtt taatccangg aattatccag ttgggacang 300
 acgagtagta actgcaccaa tgggggtcaat gatgttggga ggtcaacanc taggattagg 360
 attggcanag ggcaacatgg cggctgcaat gc 392

<210> 251
 <211> 346
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 251

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 ctttggcaca aaagaggctc anaaacattg caagcatgga taccantcgt tggtcnaaaa 240
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<210> 252
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-D7
 <400> 252

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 gcattgtaaa tagagtctgt tagcaaaactt tgaccattga gtattttgtg ctttgtgtct 180
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 gttggtaccc aaatattgat ttttcaatag tttcagaaaa cagaccaaca tggaagatcg 300
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 aatgttgttg atgggttgcg tggcncgtat cgctg 395

<210> 253
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-D8

 <400> 253

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 cttacgaagg cgggtgttttt cagcttgctt tttctgttcc tgaaccttat cctttgcaac 180
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<210> 254
 <211> 363
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-E6

 <400> 254

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 gtgccgtgat gcgttccctc ggtttaaacc tgaccaagc tgagcttcag gaggagatca 180
 acgattcgga tttagatggg gacggaacca tcaatttcac tgagttcttg tgcgcaatgg 240
 ctaaggacac ttactctgag aaagacctca ngatagattt cagactcttt gcatanacaa 300
 gaatggtttc acctcactgt gaattgagat anttgaggac aacctccggg tggaaccaac 360
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<210> 255
 <211> 468
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-F3

<400> 255

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gtagncaacc caattcacct aactgtggat actgggttta ctaatgggtga gggactatc 180

aaagcttttg tctcttcaaa cctctcactc ggtgatcgac aactcgttgc acattttcaa 240

gagattcctg ttgatctccg catggttgat gctgagagag tcggattcga tgtacttaag 300

gcaacatctg ttgacaaact cccaaatgac ttggaaggaa tggagttaac aatggagagg 360

ctgttaactc taatcaacga tgtctacaaa tatgttgaca gtgtcgtggg aagtcaaata 420

gtccaagac aacaacattg gacgattcat tgcaaatgca gtaacctc 468

<210> 256

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-F4

<400> 256

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ggcgctctcg tctggtgctg gattgtccat tatagcagnn ctctctatga tatttctatt 180

tggaatggag ttgaataatt atttggctgt cagcacttcc acatcgggtca ttgttgacag 240

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tgaattcgca tctgtggatg tcagtgatgt attaggaact aacagggtaa atgtaacaaa 360

gacaattcgg aagttttcta ttgattcgaa tatgagaccc actggttctg agtttcatgc 420

cggggaagtt ttatcactca ttaatcatgg agatgaaact ggtgaagaaa tagttgaaga 480

ttcggtagca cttactggac gca 503

<210> 257

<211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<400> 257

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 gtcctaaact acttaaccat gggttcgccg acgcgattgc taaagttgga atgactaaat 180
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 gaacaagnat aaccaatgct ggagttgcaa tgnctccat caata 405

<210> 258
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-F7

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 gatcttctgg cgcactgttc gcgggatgat tccacacaag accaaagcgt ggtgctgctg 360
 cacttgcccg cttgaaaggg tttttgaggg aatcccaacc tccttacgac aagattaaag 420
 anaatgggtt aatcctgatg ctccctaaggg ttttgagact tcaaantggt cac 473

<210> 259
 <211> 325
 <212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-03-Q1-B1-F9

<400> 259

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taagaaacct atttggtgac tatttttgact ttgtaccctt cttgatatac ctatcaatca 180
ccattgtcca cgtgtactag tttcgttgta gtaattttca aagtttatcg aagtatgcgt 240
attcgaggat taattaaatc gggaattaca ttttcctgag ttaatttttt ctctttttct 300
tttactaaaa aaaaaaaaaa aaggg 325

<210> 260

<211> 459

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-G1

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caggacgccc cgcgaagcca tagacccttc ctcacccctg agtcttcttc ttccttttcc 180
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cgttttggat gaaatccgac cttaccttat gtctgatggg ggtaatgtgg cattacatga 420
gatcgatgga aatattgtgc gggttaagct gcaaggaac 459

<210> 261

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-G12

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ccattaacat cgcgtcatcg tcgggatctt cccttgagga cggtgggtgcc gcggcacatg 180

aagctgctgg aaggagatct agggcttcga ggagagccat accaacaacc ctctaaacg 240

caaaccctag caatttccga gccctagtgc agaaatttac cggacgttct gccggaggtg 300

aatccaaccg cagaaaaggt cgggtgactt tggatttcgg gtctcccact acaatctcca 360

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<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-G3

<400> 262

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caataatgat ccactaaaaa agattctctt ttctcttctt ctccgggtgat ttacttactt 180

aacaatcatg gcgtcgtcgg agggattagc aagcgttgat ccttggtcat tccgtcaaaa 240

cttcaacatc gattcgtggc tactctctga ttcttctca cagcacagtg atatactcgc 300

taaagctctt cacagatcca tctccacttc caccgaatca tctctctttt ctcttctatc 360

tttcttcgac ttttcaaccg ccgcgcgcga tttttctctt cctcaaactc tctccaacgt 420

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<211> 400

<212> DNA

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<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-G6

<400> 263

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cacaaggaca ccaaagagct tgttgccatg aaatacatcg agagaggctg caagatagat 240
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angaaanctc ctttgatnga aactgtactg gccggtaaat 400

<210> 264
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-G8
<400> 264

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caaaaatcag aagcagggca ggctaaagaa gaagactttg ccgcgaggga cttcagaata 180
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caaagaatth tgagggatga cgggaaatcc attgaancct gcgggataat tgatactgaa 360
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<210> 265
<211> 468
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: ARABL1-03-Q1-B1-F8
<400> 265

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ggatttcact ttcgacgatg attatagcga gctgcttaga gctgcttccg ttaggagttt 240
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nnnnnnnnnn ngcgttgcca tgggagcggg tacgggttaa ggcggtttgc ctaagagctc 360
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<210> 266
<211> 361
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-G9
<400> 266

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ggagaaggaa tcgaatccta agcattagca gttttaggga taagaggaa tgtgaagatg 120
gtggggactc tgcttttcaa tctttttctt cttgctagt atgaaaaatt gttgctacat 180
tttcagatgt gaatgttcaa gattctctat cttttttttt tttttgaact ctttttaact 240
tggagtgggt tcccaaaaaa taagatgcaa aactcatctt tttgttggtt ttctatcttt 300
aatctgtggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngg 360
g 361

<210> 267
<211> 460
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-H1
<400> 267

tgagntcgcc agaagagctt agaagtcgcn tccacccgta cgtaagancg gaattcggct 60
cgagaatctt tcagtgggaa gagaatgggt tgctcgggcg gtgggtttcc tcaattgcag 120
aagctttcaa tacgggaaat agagtgggaa gagtggatag tagaacaagg ctccatgccc 180

cttcttcata ctctctatat cggggtttgt ccaaacttaa aggagcttcc tgatgggctg 240
cgatttatct attcattaaa aaatttgata gtatcaaaaa gatggaagaa gagattgtcg 300
gaaggaggag aagattatta caaagtccaa cacattcctt ctgttgaatt cgacgactag 360
gaatgctctc agcaatcaca gaagccagga gtctcataag cctctgtttc cacccaaaat 420
cangtccgaa gataattgca aggtaaggaa nctaataaaa 460

<210> 268
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-H2
<400> 268

gacngcccac ccgtacgtaa gancngaatt cggctcgagc tttagaagat gtctttgaag 60
aacttttgca agaagagatt gtggatgaaa ctgatgaata tgttgacgta cataaaagga 120
ttcgagtagc agcagcagcg gctgcttcat caatagcgag agctccttca agccggaagt 180
tgcttgcgca aaagggaact ggaggacaaa ataagcaagg gcagacgaat aaagttcctg 240
gtcaggaaca agataaaatg cttggaacta ttaccgagcc gattcgaaga aacaactgat 300
gttgtgttct tgcttaagga ggcaaaaact ctgttgcggt ataaagaaaag aaaacaaaga 360
ataaattata agattcaagt tccttctgta tactttgatt catcacataa attatntata 420
tataaaaata ttaaaaag 438

<210> 269
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-H6
<400> 269

ggntcgccag aagagctcga gaagtcgagg ccgcccgtac gtacnaacna tcggaattcg 60
gctcgagttc agatgctgag atttgggagg ttcttggcaa gtgtcaacta aaagaagtgg 120
ttcaagaaaa agagaacggc ttagattcat tagttgtgga ggatggatca aattggagca 180

<211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-B4

 <400> 272

 anttgaaaaa cnancncaag actttgaaga ccantgggat tcttgatcatg gttaagaaat 60
 cttacaagnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnncag atctgatttc atagtcaacg agaaccaacc tttacctgat ccggttttgg 180
 cttcttctac tcttcagact attaaacgtg gtcgtggtcg acctccaaaa gctaaaccag 240
 atgttggttca acctcaacct ctgactaatg gaaaactcac ctgggaacag agtgaattac 300
 ctgtctctcg accagaggag atacagatac agccgccaca gttaccgtta cagccacagc 360
 agccgggttaa gagaccgccg ggtcgtccta gaaaaagatg gaacttcgcc gacggtgaag 420
 ccaagct 427

<210> 273
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-B5

 <400> 273

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 tatcgaatga gctgggtgca ggaaacgcag cgttagccaa attctcagtg atagtcgtct 120
 ccataacttc aactcttata gggatagtgt gcatgattgt tgtcttagcc acaaaagaca 180
 gcttccctta tcttttctact tcaagcgaag ctgtggcagc agaaaccacg agaatagccg 240
 tcttggtggg cttcactgtc ctcttgaaca gcctccagcc cgtcttggtca ggggttgccg 300
 gttggagcgg ggtggcaggc tctggttgca tacgtgaaca ttgcgtgtta ttacattatc 360
 ggactacctg ctggccttgt tcttggtatca aactanactc g 401

<210> 274
 <211> 224
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-B6

<400> 274

gagcagaaca gcaaaaaaaaa aggggtggtc tttgtgcttc ttctcaataa agcttttctt 60
ctgagtaaaa ctttgtattt gtttgtaatg ttttggtagt ttcattgtgaa tcttgtgaaa 120
gggtgtttgtt aatatttgtg aatcacgttn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnng 224

<210> 275

<211> 525

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-C2

<400> 275

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aangaacgcn ttacgttaag ctcggaattc ggctcgagga aataatcaaa acttaaaaac 120
tatcagaatg ggaacgttct taggacactt tgtgcctggt ctctcacttg ctcttcttgg 180
tctttggcat ctcttcaaca ccataagatc ttactgtctt aaaggccctg aagctttctc 240
tgcaaaattc tggttccctt tccctaaact caaacatctt gagcttatct tgattctctt 300
cttctccttc ctctccatca ctctcctcac cctagatttc cctaatttca acttctcctc 360
tctcaaacca gacaacctan aaaaatggct ccaatgggtc tccaactcaa tanccttggc 420
gtgtttcgct cctcttccgg cgaagctaaa ctttgctca agatttctc tccgggtccaa 480
tcggagttcc ttccgggtcc gtctcgctc aagaactcct ccttc 525

<210> 276

<211> 374

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-028-Q1-B1-C7

<400> 276

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gcggtctggtg ttaaattgat agctgttggga gttggaactc ctgacaaggc tcgtatactt 120
gcaactcgggt taccttttcc catggaatgt cnttatgcgg atcctgaacg caaggcatat 180
gatgttcttg gtttatactt cggtttgggc cgcactttct tcaaccanc tagcaccaag 240
gtcttctcaa gatttagcga nattcgagaa gcaacaantn attacaccan anaaagccac 300
tcctgaagac agaancagtg tgttgcanca nggangtacn tttgtgttca gaggcaagaa 360
attantgtac gggc 374

<210> 277
<211> 342
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-D5
<400> 277

gatcgattct tcttcgtctc tctccgagtg anatanaccc ttgatttcac tanagaaagt 60
tttttttttg tgatcgggaa ttgaatcttc ttatcatgaa ttatcttctt ggagctttca 120
anccagcatg taatatttca atcacattta nngatgggaa aaaccgtaaa caggtaccca 180
ctaagaaaga taagggacaa atagttatga atccactttt ccagagtcaa gaaactantg 240
ctgggaagat taacattgaa ccatatcaag gaaaaaaagt ggagcataat ggtgtaaaag 300
ttgagcttct tgggtcaaag gaaatgtact ttgacagagg aa 342

<210> 278
<211> 196
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-D6
<400> 278

ggataaagan ggcgaggaag attaccgagg gagcanaagg cgataataat atgggccact 60
cttggttata ttattacagc tacaggactc attttgtatc tgtttcgttg agtgggggat 120
gatatgcctt gtattcaaga gaagagagac acggttgatt tcaacaaagc ttatattgat 180

aaaaaaanaa naaang

196

<210> 279
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-C6

<400> 279

caaaatccat agcaatggcn acttcgatag ctcnattgtc tcggagagga gtcanttcta 60
acctgatccg tcgttgcttc gctgcggaag cggcgttggc gaggaagaca gagttaccta 120
naccgcaatt cacggtgtcg ccgtcgacgg atcntgtgaa atgggactac agaggncaac 180
gacagatcat tcctttggga cagtggcttc cgaacgtagc cgttgatgct tacgtggcac 240
ccaacgttgt gctggcnggt cagggtcanag tctgggaagg ctccgtccgt ttggaaaggt 300
gccgttttgc gccggnatnt caacaaaatc actggttggga ntccgctcna aatgtncaaag 360
gaaccgtgtg ttgttcatgc cncct 385

<210> 280
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-D7

<400> 280

tcgggtcgga tcttttgaag ttcttcaatg gcgcagatac tttccctgt ttgtacggat 60
cttttgaagt tccanaactc agctcttanc tccagatcag gtgcgtcgcc gcggttctcg 120
gcgaagacca ccggtgcttc ttcattcttg nacttacctc ggtacgcagg aaagaggcga 180
accgattcaa tcggaatgat tgagagttgc aactgaggat gcttcttctc tttccaccgg 240
tgatgtcgcc gatgattact atgccgttct cggactcctt ccagatgcta cgcatgagga 300
gattaannnn agcttactan aactgtatga aaatcgtgnc agcnanactt nagtggcaat 360
gacccccg 368

<210> 281
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-F1

 <400> 281

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 tcgcatgtta taaatggggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn ggtgtagtan cggaagcggg ggatttagga gtagttctaa 180
 gcttttcgat tctccggcgt gttcgagatc ggatttgaag aaacgtagcg ggaagagaaa 240
 ttcacgggta aacggacttt cgttagagaa attaaggtcn attaaagcat cgtcngtcct 300
 tcccggctgg gacaaganca antanccgaa agttgatcga acgaacggga gaanccggcn 360
 ggcgccttgg gtttaanctg gttaacttca anggagaatg ttaaccgtcc ggtttgggaa 420
 aa 422

<210> 282
 <211> 61
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-F10

 <400> 282

 gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 g 61

<210> 283
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-F12

 <400> 283

 tgacaaaaac accctcctca agatcaagaa atctctaaac aacccttatc acctcgcttc 60

atgggaccct caaaccgact gttgctcctg gtactgcctt gagtgcggcg acgccaccgt 120
taaccaccgt gttacgcgct taaccatatt ctccggccag atctccggtc agatcccggc 180
tgaagtcggt gacttgccgt atcttgagac ccttgctctc cgcaaactct ctaacctcac 240
cgggtacaatc caanccanca tcgccaaact caagaacctc cgaatgctca ngctcagctg 300
gacgaatctg acangtcnaa ttcctgactt tatnagtcn ctcangaatc tcgagttctt 360
aaaac 365

<210> 284
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-F3

<400> 284

cgaaggacaa aaccgagaga cgcgggcaga aagacngtga cttgangtgg tctatgggtg 60
gtggtgggaa tctcgtcgac ggnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnaac aataataata ataatcacga acaaccatt ttcaattctt 180
cttcnttctc ttcttctctt aaccccaatc attccgctaa ntctggagag cttattattg 240
aanaagatct cgatttctct ggtctaacgc ttattaacgt tcctaaacgt tatcatttac 300
ctaaggattc tcacaagaan ggggaaactg aattctcacg gggtatggan aanctaacaa 360
ggtacaaatt caaganggtg g 381

<210> 285
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-F4

<400> 285

gagaattaag tggaaatgaa gaagaggaag attcatcata gcgacgacga agaggacgac 60
actttctact atcgnnatc ctccgtcgcg gcaccaccac cttcgaaccc taaacaccaa 120
ccttcttctc ccgccaaatc atcagctccc ggcgggcgat ctggcggtt agctccttca 180

aaatcaacac tctacgtctc caatctcgat ttctccctca ccaattccga catccacact 240
 ctattctcca ctttcggcaa ggtcgcgaga gtcactgttc tcaaagattg ccaaactccg 300
 caaatctcgt ggggtcncgt tctgtctcca acgtctctcg tgaaagaccc gctaaaagcg 360
 gggcgttcta atgggacgcc aaagnattct taaatgggcc gggnaact 408

<210> 286
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-F7
 <400> 286

aggataagtt gaaacaaaag gttgtgacaa ttgatagcta tgctggtgta aaatcaaagt 60
 atgagaaagc gttaatggag gctgtagcgg ctcagccagt tagtggtggc atctgtggaa 120
 gcgagagagc gtttcagcta tattctagtg gaatattctc tggcccgtgt tcgacatcat 180
 tggatcatgc tgtgctcata gtaggatatg gttcacagaa tgggtgttgat tattggattg 240
 tgaaaaactc atgggggaaaa agttggggaa atggatgggt ttatgcacat gcagcgttac 300
 actgaaaaat cagacgngt ttgcggaatc aacatgcttg cttcatatcc atcaagacac 360
 atcaaaccgc cctca 375

<210> 287
 <211> 359
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-F9
 <400> 287

tgttgagcag attgacattt gtgaaataca taaaatggtg gttgatgtgg ctaagcagta 60
 tttccctaatt gtagcagttg gntacgagga tccncgtgtc aacctcatca ntggcgatgg 120
 tgttgctttc ttgaanaacg ctgctgaang aacctatgat gcanttattg ttgattcatc 180
 tgatccaatc ggtccagcaa aagagctant tgagaaacct ttctttgagt cagtgaatag 240
 agctcttcgt cctgggtggga gttgtgtgca cacaagctga aagcttgtgg cttcacatgg 300

atatcattga ngacattggt tctaattgcc gtgacatcgt taaangatct gttaactac 359

<210> 288
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-G11

<400> 288

ttttttgaca gccactgggc catctgggtcc tggttactcca gatgggtgtgt ggaaatcccc 60
ggcagacact ccttcctcag tgccattatt ctctcctcct gccaaagctg ctacgttttg 120
tcatggtggg aacaaatcat ttggagtatc tattggatca gccttttggc ccaccaatgc 180
agatagtgcg gctgaatcct ttgcttcagc gtttaacaat gaatctactg aaaagaaaca 240
aactaatgga aatgtctgta ggcttttttg gtttgagcta gttgaaaatg ttaatgtgga 300
tgaatgtttc tctgctgcct ctgtgtctgg tgcngtcgct gtagattaaa ctgtcccaat 360

<210> 289
<211> 324
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-G7

<400> 289

aaggaattgt ttgttggtta aatgtttctt acgcgatttg tcgggaggag attccttggcg 60
gctgcacgag cgcgatcgga gtccactaca gcagcagcag ctgcctcgac gattcggacg 120
ccaacaaatc cactcgaaga gttctttgag ttcgacagaa gccaaagacga agataaacct 180
gttgtctatg gtcgaggttg ggaaagcttc agagctgcgt ctcaagtcac gggatgatct 240
tcagaagctg tgggaacgtt cntctcaang agaanaacat gtttgaagga ctgagcggtc 300
gatgccttaa ggctcaanaa catg 324

<210> 290
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-H1
 <400> 290
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 aggatttgat gctgaagaag acgacgttac cgacgattcc tctcaccttc ttcaccactc 120
 actccctccg cctcttctca ctcatctca ctcatcactc tccgatcccg atccggagcc 180
 ggaaccttct tccgccgaat gtaaattccga tctcatcact gaatcagatc tcgagcatca 240
 atccgattcg aaaactccct cgtctacacc atttgagtac tgggacnaaa gacgagttcg 300
 aagggactac cantttgaga tagaagacac ttgaatcctc caattgatta cagaaaaacg 360
 ggactcatgc tgattcaaag aacgccn 387

<210> 291
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-H10
 <400> 291

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 agatctctct catggcgatg tctttctcag gagctgttct cactgggatg gcttcttctt 120
 tccacagcgg agccaagcan agcagcttcg gcgctgtcag agtcggccag aaaactcagt 180
 tcgtcgtcgt ttctcaacgc aagaagtcgt tgatctacgc cgctaaaggt gacggcaaca 240
 tcctcgatga cctcaacgag gccacaaaga aagcttcaga tttcgtgacg gataananaa 300
 nngaggcatt ancaagatgg tgagaaagcg aaangactac gttgttgaaa naaacagtga 360
 aancgcagat agattgggta a 381

<210> 292
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-H3
 <400> 292

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gatcgacaaa agtctctata ccttcttgta acgtggtggt taattaatca tggccgatca 120
aatctccggc gagaagccgg ccggagttaa tagattcgct cttcaatgtg ctatcgtcgc 180
ctccatcgtc tccatcatct ttggttacga tactggtggt atgagtggag cgatggtggt 240
taatagaaga agatttgaag acaaacgacg ttcaaataga agttctcact ggaattctca 300
acctttgtgc cttgtcgga tnattgctcg ccgggaagaa cgtcgggcat aatcgggacg 360
gggttacaca atcgtcctgg gcctcaatac taatcaatgt tang 404

<210> 293
<211> 398
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-H4
<400> 293

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attttcccat tttcttctca gtcgtcatct tcatcatcac tcctccttca ccttcacctt 120
cactctctct tttaccgcca atcattacca ccgattcacc tcctaagctt ccggcgaaaa 180
ctgagcttcc tgtcatcgga agctgtatag attgaagatc cagtttcaaa tttctcgaat 240
catcgttagt ttcccatcga cgttcactct gtaaatacagt gtctgtgaaa caccataacg 300
tanangagct tctaaaagtc tccgggggggt gcgacctctc ggggctaata tctggaaatc 360
gccaagacgt tgtcgaatct cgaccaagaa tctgtcgc 398

<210> 294
<211> 378
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-H5
<400> 294

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ccaaaaaaaa aagtaagtgg acctaacca tcgaatcatg actatatcca ctattctgat 120

attcaaattc gatagagatt aaattgaaac agtanatttt ttttanttca tattttttgta 180
 ttaggaaatc cgtcgatatc tcttattgaa tcttcttgn tctatatatt tcataggaaa 240
 tatattgcgt tctgcctag agaaagagag tatttttgca aagtaataac taaaanggcg 300
 ttcaatattt ttttttgatc gagaacataa caagttctac attccccttg gtnttangaa 360
 tcaattggaa taaaaata 378

<210> 295
 <211> 359
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-027-Q1-B1-H11
 <400> 295

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 gctgcaaact ctacagggga aggaatagtt cctgaccctt gtattcctaa agggtatatt 120
 cttgaaacaa atttacaaaa ggacttacct ggattcttgg ctgataaagg caaatttaca 180
 gccacccttc aagctgctgg taattttctca gagtgtcgat ctgctgcatt tgccatgttg 240
 caggaagaaa aagggaaatg tacttataag cgttgttcta ttggatcaat attcacacct 300
 aatcttcaag gaagtttttt ggctacagag aatttctcc acacatccaa gttctttgg 359

<210> 296
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-H2
 <400> 296

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 tgtgctgac acgatctcag gttgctaaca gttccaagt ccaagaccct tggcgaatgg 180
 gctggtctct gcaagattga ttctgagggt aatgccacng aaggttggtg gatgctcatg 240
 tcntgttgtc aaggncctcg gcaaggagan aacngcctcc antatcgta aataancata 300

ttgctnccaa taaaatgcc a t gnaacatat ctaaactccn gattcanatg ttttcaacnc 360
 caatgccgtt ttccc 375

<210> 297
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-H4
 <400> 297

tcttcctaga ttccagcgac ttaacaacaa caacaacaac atattctctg ctgggtatta 60
 gattcgaatt tctctttttg tgatcagaaa tggatcgagc tccggtgacc acaggaccgt 120
 tggatatgcc gattatgcac gacagtgatc cgatatgact tcgttaagga tattggttct 180
 ggtaatttcg gtgttgctcg tcttatgaga gataaactca ctaaagagct tgttgctgctc 240
 aagtacatcg aagagaggag acaagattga tgaaaatgtt caaaagggga gattaattaa 300
 acaacaaggt cactaaaggg aatccctaaa taattgtcaa gattttaaag aaggtcaatt 360
 tttggacgcc cgantcaacc tggggatatca taatgggaat aatgccttcc gggcnggtga 420
 aacttttacg 430

<210> 298
 <211> 359
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-H9
 <400> 298

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 tgagggatga gatggaggta acaaccgccg atgtttttcc ggagggttaac gccgccgctg 120
 tgacggaaaa tcttgatcgg aacgagcttg tgcttgctga cggagtcgtg tcggctgagg 180
 aaaggaatat tgagccagac aatcgtggag agaggaagat agagagcgag tcgcctccag 240
 aggatgatgt ttgcccgatc tgtttcggct cctttacggt tccgtgtcgt ggaaattgtg 300
 gtcattggta ntgcggnaat tgcattctgc agtactggna ctatgctgca atatctagg 359

<210> 299
 <211> 360
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-H10

<400> 299

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 tcttcctctc ccgctgtcgc caagattgaa tcttttttca gttgtggctt caccggataa 120
 taaggaattc agtaagagat aagttcatcc tgacaacatg gagaccaaga atgagaattc 180
 tgatgtttca cgggcagagg agttttaaag tcaggccaac gaagctttta aaggtcacaa 240
 atactccagt gctattgatc tatatacaa agctattgaa ctcaacagca acaacgctgt 300
 gtattgggca aatcgtgcat ttgctcacac aaaactggga ggaatatggc antgcaatac 360

<210> 300
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-A10

<400> 300

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 tcggaattcg gctcgagtgg ctgaggaaat caagaatggt cctgaacagg aggtgccaan 120
 ggtagcaaca gangaatcat cggcagaggt tacagatcgt ggattgttcn atttcttggg 180
 aaagangaan gacganacaa aaccagagga gactccgatc gcttcagagt tttcgccaca 240
 aggttcatat ttcagagccg gagccagagg ttaaaccacga aagtcttctt gaaaagcttc 300
 accgaancga cagttcttct agctcctcat tgaggaagaa ggttcagatg gtgagangag 360
 gatgaagaag aaangagaat aanaagccaa ctactggaat tttgaggnaa anggaggaag 420
 anangnaaaa gggtttatgg naaagt 446

<210> 301
 <211> 402
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-028-Q1-B1-A4

<400> 301

gagaagaaaa caaaatcatg tctcgatttg ctatcttagt aaccttggn a cttgccattg 60

ccactgtttc ggtgggttata gctcaagtec ctccggagaa acaattcaga gtcgtcaacg 120

aaggagaatt cgggtgaatac atcactgagt acgacgcaag ttacagattc atcgaatcat 180

caaaccagag cttcttcaca tcaccattcc agctcttggt ttacaacact acccctagcg 240

cctacatctt agctctccga gtcggactca agcgtgacga gtctaccatg cgttggtatg 300

gggacgcgaa tcgcaacaan cccgtcggag aaaacgctac actctcactc nggcgtaacg 360

ggaacctcgt cctcgctgaa gctggacgga cgagtcaa at gg 402

<210> 302

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-028-Q1-B1-A6

<400> 302

gaggcanaca ttanngttga gaaaaaaaaan nangtangaa cgagagagag aaagccatgt 60

ctgcgaaaac aatcctatca tcagtagttt tgggtggttct cgtcgccgna tcagcagcgg 120

ntaatatcgg attcgatgag tcaaaccgga tccgaatggt ctccgatggt ctccgggagg 180

tagaagaatc tgtttcccag atcttaggtc aatctcgtca cgttctctct ttcgctngct 240

tcactcaccg atatggtaaa aagtatcann acgtggagga gatgaagctt cgattctcga 300

ttttcaangg agaantcttg atttggttca gattcannca anaataaaaag ggttatntta 360

caancttcgg tgtaaacca atttgctgaa tttgacattg gcaaga 406

<210> 303

<211> 385

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-028-Q1-B1-A7

<400> 303

gagagagatg tgaagacgag taacgttatg ttggattctg agtttaacgc taaactcgga 60
gatttttggtt tagctcgggtg gttagaacac aagattgatg aaacagagca tgattcgagt 120
tacgactctg tttcttcctt ccgtaaccac cagttccgag tcgcggattc gactcggatc 180
ggtgggacta tcgggtactt accaccggag agtttccgga aaaaaaccgt tgccaccgct 240
aaaacagatg ttttcagctt tgggtgttggtg gttttagagg ttgtctccgg tagacgagcc 300
gttgatcttt cgttctcgga agataaaatc attttacttg attgggttcg gagattatcc 360
gataaccgga aattactcga cgccg 385

<210> 304

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-028-Q1-B1-A8

<400> 304

agaaaagaag cagctttgct tgtanatgan ctcagaagca acttcaactc tggcagaacg 60
aagagctacg agtggcggaat ttctcagctt caaaacattg cnangatgat tgatgagaag 120
gagaaatgca tcaccgaagn tttgtntcaa gatctttcta agcctgagct tgaagctttt 180
ctanctgaga tttcgaatac annatcatcc tgtatgcttg caatcaaaga gttaaagaac 240
tggatggctc cagaaacggt caaaacttct gtgacaacat ttcnctcgtc tgcacaanta 300
gtctcagaac cgcttggagt tgggttgggt aattcagcct ggaaattccc tttccgaatg 360
tcngtcnagn caatcattgg ggctantgca ctgg 394

<210> 305

<211> 366

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-028-Q1-B1-A9

<400> 305

agagattccg gtgtccttct tcctttcact cgcgtataac ctcttttctt tgacgttgtc 60

tccgtgagct ctctgtgctt tgactgcaac catgtcgacn attatgcaga agatcaaaga 120
aattgaagat gagatggcta anacacagaa naataaagct acttctcatc atctggggtt 180
gttaaaggcc aagcttgcta ancttcggag ggaccttctt gcaccgccta ccaanngtgg 240
cggtggtggt gctgganaan gttttgatgt gactaaaagt gggngattct agagttggac 300
tggtcggatt tccttcgggtt ggnnaatcta cgctantaaa caaagctgac tgggacattt 360
tccgng 366

<210> 306
<211> 359
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-B11
<400> 306

cgagtaccat tcaaagaaaa tgtttgaggt gaaactgagg gaaatcaana ccgttcttac 60
aagcaaggtc acagaggaaa gtantgtaaa cnaagtcatt gaatcggatga ngcaacagat 120
caaagatgct aagttacctg acattgaggt tgtgctgtgt gtttgggatg gtttaatgga 180
tgctgttcan tggctctggaa aaaaccagca gcaaaatgca aattctgttc tgcgccaggt 240
gaaaacatgg gtcctacttc tgaacacgtt ctgtaccagc ggaaagctaa atctggaact 300
gatgtacaaa gtccaaatgc actgctatga tgatgcaaag cttatgaana gttttccca 359

<210> 307
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-B12
<400> 307

agctatgang tcacatgcac gcgtacgtaa gctcgggaatt cggctcgagg attaagttgc 60
catcgggttc gaagaagatt gtcccaagtg gatgcagggc tatgattgga caagttgctg 120
gaggtggaag aactganaag ccgatgctca aggcaggaaa cgcgtaccac aagtaccgtg 180
tgaagaggaa ctcatggcct aagggttcgtg gtgtggctat gaatccagtg gagcatcctc 240

atggaggagg taaccatcag cacattggtc acgccagtac tgtaagcgt gatgcacctc 300
 ctggacagaa ggttggtcnt attgctgcan ggangactgg tcgtctcana ggtcaagctg 360
 ctgcttcagc tgccanggca gactagagtt anaagagata aactttgttt ctcttgtttc 420
 c 421

<210> 308
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-B3
 <400> 308

gtgatagtct tgccantgag tgttttcacg aagatttgca tcttgaaaga gagagtcgcg 60
 agactatcac tctcgagggt gagagctctg acaccatcga caatgttaan gcaaagattc 120
 aggacaagga angcattcct ccggatcagc aaagattaat attcgccggt aaacagctag 180
 aanatggccg taccttggcc gattacanca ttcagaaaga atcaaccctt catttggttc 240
 tccgtttaag aggtggtatg caaatctttg tcaagactct gactggcaan gaccattact 300
 ttgganggtt gagagctncn ganactattg acaacgtcaa agnaaagatt caaggacaag 360
 ggaanggaat ccctccggat t 381

<210> 309
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-B4
 <400> 309

ttctttcaat cganaagatt atanagctga gtgactgatt ggtggtttct tggagtttta 60
 atgggagggt gtttcagcaa tcggattana acagatantg cttccantac atggntaagt 120
 tcgaaattct tgagtagaga tgggagcaag ggctcgtcga ccgcttcctt ctcttatatg 180
 cctcgaacag aangcgagat cttgcaaaat gctaattctca anaactttag tctcagtga 240
 ctganatctg caactaggaa tttccggcct gatagtgtgg ntgggtgaacg tggatttggt 300

gcgttttcaa aagntggatc gatgancct cncncgctc ccttctaaaa ccgggggaac 360
 cgggaattgt cantgctgtg aaaaagactt aa 392

<210> 310
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-B8
 <400> 310

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 ctgtctcagc aatggaattt ttccagaaag caaaagctat tcgaatgcgt aacagtcaca 120
 acaagtatct aacagcagac gacgatgaag aaaccgtaac tcaaaaccgt aacggatcta 180
 ccaaaaacgc tcgatggncg gtcgaaccgg ttctgtattc tttccatggt attcgtcnta 240
 aaagctgtta cggtaagtta ttaaccgctt ctaacgagcg gtctgtctcg gggctacggg 300
 gaanaaagtg nntcagttga aactgagtcg gggtgattcg tccgttgagt gggaaccgcn 360
 tanaaaaagg gtctaagatt aagc 384

<210> 311
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-C5
 <400> 311

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 tgcgtttctt agatcgagcg agcgaagcga gagatcatgg aagggtggagc tgctctctac 120
 aatcctcgaa ctgtcgaaga agttttcaag gatttcaaag gtcgtcgtac tgccattgtc 180
 aaagctctca ccaccgatgt tcaanagttt taccaacaat gtgaccctga gaaggagaat 240
 ctttgcttgt atgggttacc gaatgaagaa tgggaagtga atttaccagc tgaagangtg 300
 cctcttgagt tancanagcc agctcttggt attaactttg ctaagggatg ggctctctga 360
 aaaggaatgg ctttcgcnt 379

<210> 312
 <211> 294
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-E3

 <400> 312

 gaggtggctt caaactgctg tcagaagggtg ggaagcatag atgcaagagc gacaggagag 60
 tcagggggct catcntggaa tgactgcgtg tccacttggt taaaaagcaa cccaacatgt 120
 caaaattccg tcnaggtcac ctgagatgct cacagcanaa cagagtcctg atctatgtgt 180
 ttggtgatca caaaaanaga ggggttccca gacactanaa catgcaatgc ggttccgaag 240
 gtttgtgcga tttctgtaag gnagtcaacg ctgctcaatn naaatcccaa aaaa 294

<210> 313
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-E5

 <400> 313

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 atactcttac atatgaagac aatgaaggag acaagatgct tgtaggagat gttccatggc 120
 agtaagaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnaaagga gaagtattag attcctagtc acatatttat natatcttaa tcacagtttg 240
 attaataaca aacttagttt ggttaagcta ttaagggatt gtgggacttt ttgatcacta 300
 aaattgatta tttcttaaat tgtcagaatg gttggtggtc ttcggtgaag aggctgcntg 360
 tgattaaaac ttctgagatt tctcagcatt 390

<210> 314
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-E6

<400> 314
atgaagtaag agagaatcca aatctggaca catggatgga ggtaggacgg gattttatca 60
ggttgacagtt cttgaatact gatgggatca gaaccatagg atgtgttctg ggccagagta 120
ttgctctgga ttactatggc cggcaggttg atggtatggt agcagaattt actgagataa 180
accgtcagtt ggagataaca ggaacgttta caatgaaaag gaaaaagctg ttccagttgg 240
ttggaaaggc taatgtgatt ctggctgatg tgattctgaa gcttggctct tttgagaagt 300
cagatatagc ttggaaggat ccaaatatgg gtcagtatgg gaanttccga aaagatgaat 360
ttgaactgac acagagtttt gcaaaccttg attataagct ca 402

<210> 315
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-E7

<400> 315
gagggaaaga agaccaaatac ggcggcgga tcaacgacgg tcacagaatc ttcaagcttt 60
ccgacgtggt tgcgtctcct tacaccttcc tccgtcgcta tcaccatcca tgcaagcca 120
ggttccaaag ccgcctccat caccgatgtg agcgacgaag cggtaggcgt tcaaactgac 180
gcgccggcta gagatggtga agctaacgca gctcttctcg agtacatgag ctctgtattg 240
ggggtgaaaa gaagacaagt ctctctcggt tcgggatcga agtctcgaga taaagttgtg 300
attgttgagg atatgacca acagagtgtt tttcaagctt tgtccaagc atcaaacct 360
aactaaagtt tccaaacctg taactaacta tatgngaaa ctaa 404

<210> 316
<211> 400
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-E8

<400> 316
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tattagnngc cgtcgtatat gggatgctgg ccgagtcttt tactgcatta ctaagggagt 120
acaatacccg tctgtaccta gacaaaacaa gccaaaggca gtcgacttgt actattcaag 180
ctgggtgtatc cgtgcagttg aatcaaaaag aggcgatggg gagatgacat catgtgaggt 240
actactatctt caccatgaag atatgggaat accgtgggag attgcaaagc ttgggggtgag 300
acanggtatg tgggggtgcag tcaagaagat tganccaggc ctaagtncat atcaaaaggc 360
ttaagcaacc ggaacaaggt tatccccgan ttgcataatg 400

<210> 317
<211> 308
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-E2

<400> 317
aataaactta acttaggtgc tgcgatttat gcgtagaggt ttgctttctca tgctctgagg 60
aatctaagag caaatgcagc agcccgaaat tctagattcc cacacatgtt aattttgttg 120
cctcagaaac cagccgatcc ttagtttctt atggatgaaa cctagttttg tatagttggt 180
gactctatct ctctgtaatg tgatcgctag tgatttcttg caaataactt ttgtgtaaac 240
cagtaaagat atttttatgt gaaataataa tcaataggaa aatttcttaa aacaaaaaaa 300
aaaaaang 308

<210> 318
<211> 334
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-E9

<400> 318
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tacggaactt tcttacatgg atgggtgtgg agatagtggg gttcttgaga ttgaagggtg 120
tgattattat tctcatatta actatgcact cacatttgag gaaccaactc tttctctatg 180
gcaagagaat aatgatgtag ttatgtattg attgatttcg tgaagtcata atataacaaa 240

ggctgtttcg taatccgtta acccccaaaa aaagaaggaa taagaggctg tttcattaat 300
ctttaacaaa ttaaaaaaaaa aaaaaaaang gcgg 334

<210> 319
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-F1

<400> 319

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caaaagtcgc cggatcatgaa agtagaactt gtgttcatac catcgccggg gcgttggnca 120
tatccgagca acaacggcgt tagcaaagct tctcgttgcc agcgacaacc gcctctccgt 180
cactctcatc ngtcattcct tcacgaagtc tccgacgacg cttcttcctc cgtctacacg 240
aactccgaag acngtctccg ctacatctc ctccccgcc ganatnaaac tacngatcnc 300
gtaancttan atcgacaagc caggaaacca ccagttagag ccgtcntgtc caaggncccc 360
nggaaatggt tcaacaagnt taagactcca cgggtaacct ggggattgtc cttaaac 417

<210> 320
<211> 350
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-F4

<400> 320

aaactgctga caagagtcga gcagctcaag cttctgacca aagccgagaa agcaggnttt 60
ttgtcttttag cagagaaatc aggtttctct ctatcgacca tcgagcgtct tggattgctg 120
accaaagcag aggagttcgg cgttttgtct gccgccacaa acccggaac gcctggaacg 180
ttattcactt tgagcctcgg ttactcctt cttggaccgg tttttgcata tgtggttcct 240
gaagattaca cttgggaagt agtgattcag gttcttggtg ctctactctc tgttcttggg 300
gggctctcgc gntttgcngc ctnggggtt ggccccaatt ttgcaaaant 350

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<400> 321

<210>	322
<211>	372
<212>	DNA
<213>	Arabidopsis thaliana

<400> 322

$\langle 210 \rangle$	323
$\langle 211 \rangle$	380

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-F9

<400> 323

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aaagatggag aagaatgggc acacggaaag tgaacttcaa actcaaattg ttggaaatga 120
gagactacct caagtaacgt ggcaacggaa gttgaacagc aaagtgaaga acccttctga 180
gttcaagatg agtataagag atgttcttca tctgtttcct ctaggctata gattgtggcg 240
ttacactaaa gaagaggcaa aaaaaggaag attttcgatg tacgatattct tcaaaaagcg 300
ccatgtaaga ngcgaccatg gtgtcccat aggtggaatt ggtggaggaa gcacnngaag 360
gagtttaca aggtgaattc 380

<210> 324
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-G1

<400> 324

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ggctgagctg atccatggcc gatgggcgat ggacgcggtt cttgggatct tcgtcggcca 120
ggcctggagc ggtgtggcat ggtttgaagc tggagcccag ccagacgcga tcgtccctt 180
ctcgttcggg tcgcttcttg gaaccaatt gcttctcatg ggttgggtgg agagcaaacy 240
atgggtcgat ttcttcaacc cggattctca atcggttgag tgggcaacgc catggtcgaa 300
gaccgccgag aatttcgcga actataccgg cgatnaagga taaccgggtg ggaaaatcct 360
cnattcggtt ggtcccgccg gggaaaaanc gcgacggtgt tatgancccg ga 412

<210> 325
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-027-Q1-B1-G12

<400> 325

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gaccggaaat tacaaagctc atgctgattc tcattacgat cctcacgctc taccggagat 120
aaccgggatt aattacagag atattgtagc tgagaatggt tctatggctg gaagggttaga 180
gggaatctct ggagatcctt ttactgggat ttgtatttcg aatgcaacga tttctatggc 240
ggctaagcat aagaaagcga tttggatgtg tagtgatggt gaaggagtta cgagtgggtg 300
tgatcctaag ccttgtgatt tgcttgatgg acaaagaatc agagacgacg aaagaagaag 360
atgattgacg ggtggatgtn a 381

<210> 326

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-027-Q1-B1-G6

<400> 326

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aggttggctg gagtaacgct tgttgctcca gtggtgaact attggtggaa gaactttcca 120
tcagagatct caaccgaagc ttttaaccaa caagggagaa atgaccaatg ggcggttcgt 180
gttgcaact atgctccttg gcttactcat tgggtggaact cccagagctg gttccctgga 240
tcaagtgttg tggctcgcaa tctcggtatg ttgtccaaag caagacaaag agatcatggt 300
taagctccgg tgctgcaaag gagccaacat taaggacaaa ttaaggaaca aggacacac 360
gagacattgc aaccgtnaca ttaattggtg gnttttggaa 400

<210> 327

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-027-Q1-B1-G8

<400> 327

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 aagaacttga gttccatggg cttcaaggta aagtgtcaat tagcccatgt tctcacatag 180
 gtggtcacia atacgctggg aatgttatca tctaccgatc aaacatcaac agggaagtca 240
 caggacactg gtatgggtat gtgaccccag aagatgtacc tattcttttg gagcagcaca 300
 tcaacaaagg cgagattgta gaccggctat ggaggggtga aatgggtcca tcagaaagaa 360
 gttcaganna aactcaagaa gggcaattta acctaattgn aaaatccaat ccgttaaagt 420
 naatnggaaa atgatcaaga atcatcggtc anaacgccga tgttcccgt 469

<210> 328
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-H1
 <400> 328

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 aggtgagatc gtacggaaaa atggaggctt ggggatgatt atagcgaatg gtgtgtttga 120
 cgggtgaagg ttagtagctg attgccacgt gttaccggcg acatctgttg gtgcttctgg 180
 aggagatgag attcgtagggt atatctctga atcatccaaa tctcgttcat cgaaacatcc 240
 aacggctacg attgttttca aaggtagccg acttgggatt cgacctgcac cggttgttgc 300
 atctttctcc tgctcgtggg cctaatacaa nagacgccgg gagantccta aancgggatg 360
 taatcganc tgggtttgaa taatccnaac tggcttgggc cttgaaccgg attgggtcca 420
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<210> 329
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-B11
 <400> 329

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 agaagacgac ttgcagcaat aaacccatca aagttcgta catctcaaac cccatgagag 180
 ttcaaacttg tgctttctaag ttcagagagc tcgttcaaga actcacaggc caagacgccg 240
 tcgatcttca accggagccc atctattccc cttcctccga cgaccacaac ctttctccac 300
 cggcggagaa tcttgcgcca cgtgttcttc atcaggagcc gttcgggtgag agagacagtg 360
 attgttatga gccgttgaat gcgggaagac atgtttttac ctgatnagat gt 412

<210> 330
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-B2
 <400> 330

cattttgtaa caatantaca attatanatt aaaactctcc gacgatgcct caggcaccga 60
 tgccagagtt ctctagntcg gtgaagctca ngtagtgaa acttggttac caatatttgg 120
 ttaaccattt cttgagtttt cttttgatcc cgatcatggc nattgtcgcc gttgagcttc 180
 ttccggtggg tcttgaagag atccttaatg tttggaattc actccagttt gacctagttc 240
 angttctatg ttcttcttc nttgtcatct tcatcnac tgtttacntc atgtccaagc 300
 caccgacat ctaactccgt tgactattct tgttacaaag ccaactgtca cgtgtcgtgt 360
 ccccttcgca actttcatgg gaaaatctcg tttgattctc aagggaaang cctaaaagcg 420
 tttagntcc 429

<210> 331
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-B3
 <400> 331

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tgaattggaa ttatttggtt tcttattagg cctatcctga agccaaagga aatgagatcg 120
gaattcctcg gggaattcca attccacatt ttcaagaaat aaggaggcaa aaatgttcat 180
atatgaattg gaattatttg ttttcttatt angcctatcc tgaagccaaa ggaaatgaga 240
tcggaattcc tcggggaatt ccaattccac attttcanga aataaggagg gcnaaaatgt 300
tcaaatatga attggaatta nttgtttccc antaaggcta nccctgaaan ccanaaggaa 360
atganaatcg ggaatttccc cggggtacc gagctccgaa ttccctaana gtggagtcct 420
aantaaaatt cgттаатcan gtcaaaanct ggtttcccgг ggттаaaa 468

<210> 332
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-B7
<400> 332

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
naacaacaac aaaacttcac acacgtggtg agagagcaca caaaggctca agctttttca 180
aacccttggt gaaattcgag ctcttttggt gtttctcttt ttttttggtg gtatcaattt 240
ggtgtttctc ttggtcttgt tgaggtactg aatcagcttc ttcttcttct ccgatcttaa 300
tcgattccaa gtttccttca caagcttggg acgaattgac atccaantnc tccaattcaa 360
ttcccgtaaa gttgnttttt tttcttctg gtgccttgca aataaaaggg attcctcoga 420
aggtgataat caaacnaaaa gccttatct 449

<210> 333
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-B10
<400> 333

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ctacacgcct gggatctacg ctactttaca ggtgtaatat tcttctcctt aatctttaca 120
ccattcaggt ttaccaatta ctagecgtcc aagtgtctcg tttctttcaa ccaggctggt 180
acattactga tcatgtatgc gccagacgca gatctgagga aaaagacatt tgaggcactg 240
aagaggggttc tttctgatat cccagctcct cataggtttg acgttttaag agcccttgtc 300
acaaattccc ggtctccttc aatgacaagc aatccttctg ggtctagtta aagacagcat 360
gagcaaaaagc aatttgcaag atacagattg tgccgctgtt gatacgcagtg ttaatgaact 420
aatgggattt gncctaaagg cctccanaaa gggaagggtcc tccaatcccn ttccgg 476

<210> 336
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-C10
<400> 336

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ccaagggagt atgtattagc gtggaaattg tgggagggga aggataagtt ttactgtttc 120
atcaaggaat gtgatcacia tatggtgccg caacagagga agtatgtacg tgtaagttat 180
ttcagatctg gttggcgaat taggaaagtt cctggtagga acgcttgta gatacacatg 240
gttcaccagg aggatgctgg attaaatggt gaagatggca aagcttgctt tctcaagagg 300
catatggagt tacgtttgta agatggaaaa tgcactcgca aagtacattg caaccaagtc 360
atcganccca aaggcccaca ttaaccgctg ttagcctaaa tgaaaaagat ccac 415

<210> 337
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-C11
<400> 337

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tgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnntcgctat cgtcctccct tttatcttcg tcaggttcgc gtttctcgtc 180
 ctcgaaatctg cctccggttg cgattcacca ctcgattgca tgggactcag acttttccgt 240
 gggggcgaca catctctgaa aattggggaa gagttgacac gggctctaag tggaagagac 300
 gacagatnat caggacgtta atgggaagag gaacnaangg atnattggag tcattcgacg 360
 aaccttggtta aaggagatga cntaaaacgc cgtgacaata agggcggttg cntccgtg 418

<210> 338
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-C12
 <400> 338

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 gcttaaaggt ctaggtcttg aatacacagt cattagcgtg ggcaagaagg gaaattctta 180
 tttcctccgt cgcccgta caaataccta gaagccggaa ctttacctac 240
 ggctaaagaa gctcaagctg tggctggatg atgtcttctc tctgtttat aagtgaagaa 300
 atcgacaaag tcgagctcct tgtacacaaa gtttgcctc cttgggtcaa atcagaancc 360
 cgtgattcac aacgctactg gctttatcac ctaaaaggga gana 404

<210> 339
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-C3
 <400> 339

agaaaaaaaa tcagaacaac tcttatcttc ttcacgagac tgactaaaca atcatagatt 60
 tttccgtttt ttgggtttcg tctggtgtta ctctctcctt ctgagttatg gtgaaataat 120
 ggcagcagct gaagcaagag cagtgtggca aagaacagtt aatcgttgct ttgtccaaga 180
 agacgctaaa agagctccca agttaactta ttgccaatca tcttcacctt caactgcttc 240

tgcgctctgga tttaaaaaaac cggaggagga ggagtttgaa acccggtgtg atacctgcaa 240
 aggaaaacgt gctgtccact tgaagcaggt tccttttgca cgctcatctc tgaatcatga 300
 tgatgtgttt atccttggga caccaaggaa aagatttatc agtttaatgg tgcaaattca 360
 aatatccaag gagagaacta aagcgttggt antcattcaa tatttgaaag acaanttcac 420
 gaaggaa 427

<210> 342
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-D4
 <400> 342

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 ttgttcctta ctcttattac ttcttaaate cgatcgaaac aactgttggg ttagtttcta 120
 atttccaaga atggcgcaag atcacgacga gacggagaat aaaacctttg ccgacgttgt 180
 cgggtggcgat gatgtcggcg aaattgtcaa cggaggaaca aagaatggct atcgtaaacc 240
 ggactctgtg gagaaggaag atgatgagga ttgaagagt ctctattcct tgatttgtct 300
 cacgatcggg tcgattctgt ttccagattc gaaaaccggt gatgcgtctt cgtttcttga 360
 acgtgtaana aactccgtcg ctgaaaatgg ggctaagcct ccaaaaacnt ctgaaanaac 420
 aagacccaaa atccttcccn g 441

<210> 343
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-D5
 <400> 343

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 tatgaggggt gaagatccac ggacaacctt gatgataana aacatcccaa ataagtatac 120
 ccggaatatg ctcttagctg ccatcgacga gaaaaacagt ggaacttatg attttcttta 180

tttgcctatt gatttcaaga ataaatgtaa tgtggggtat gcatttatca atatggtgtc 240
 tcctaaattc accattgcat tgtacgaggc ctttaatgga aagaaatggg ataagttcaa 300
 cagcgagaaa gttgcttcat tggcttatgc acgaatccaa ngtaaaagct gcgctaagt 360
 ctcantttca annaccaagt ttgatgaatt aagatang 398

<210> 344
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-E6
 <400> 344

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 tcgcgcaggg acggtaaaca aatcgaggtg ttaggctttt atgatccact ccaaggcaaa 120
 gaagatgcgg atagagttag cctcaaattc gacagaatca agtactgggtt atctgttggg 180
 gctcaaccaa cagacacagt ggaaagcatg cttttcaggg ccggtttgat accaccaaag 240
 cctatgggta ntggtcgggtt cgaaaaaatg gggcagaaat ctacgagcca acatgggtta 300
 anccaattac aggtaaatcc ttgaactaag aattgttgaa tcnnttgaag caaagaaaag 360
 aacccttttg gtgttcgggtg ttgaaaaggg agtttaattg 399

<210> 345
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-E7
 <400> 345

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 cgaggagatg agcatgagtt tatgaactta agagaatggg atcgaagagc tcgattaatc 120
 cgcgaaaacc cgagttcaag aagattctca gttcatata ttggaagctt ccgagaagat 180
 caccacaagt cttcttttag aacaacaaac ttcaacaaca tctctagtac tgctcttct 240
 cctggctaca ctctcaanga agagattgac ccatcaacat attccttcac caatgcactc 300

agagagatta aaggaag

437

<210> 350
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-G10

<400> 350

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tggctactaa gtgtggtaga tataaagaag gttttgattt cagtgtgag agagtaagaa 120
agagtattga cgagagcttg gagaggcttc agcttgatta tgttgacata cttcattgcc 180
atgacattga gttcgggtct cttgatcaga ttgtgagtga aacaattcct gctcttcaga 240
aactgaaaca agaggggaag acccggttca ttggtatcac tggctctccg ttagatattt 300
tcacttatgt tcttgatcga gtgcctccag ggactgtcga tgtgatattg tcatactgtc 360
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tnggttggtta taagtt 436

<210> 351
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-G4

<400> 351

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ggcaagattt ctgttactac tacgttaaaa gtgttttcgg tggccagctt gttctaaggc 180
ttccatctgg ggttgtgtaa gttataaagg aaaaaagata agacacatta tgacgaaatt 240
tgttacacga agatagatct cagcttgggtg taatcngata gcctctgggt acccnaaatt 300
tacnccnnaa ggcaaattcc aaatncaata accgngtggg aaaattttgg gngngtnnac 360
nacaaaaaca atnccctggg ntaataatga caagantttt ttc 403

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<210> 352
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-H12

<400> 352

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tttaggctct ctattagctt cctcactctc atcctcttct ctctgtgggt agtggaggca 180
cacacgtcta gaaagttgat atcaatcaag gaaaaagaag gtcaagatat tagtcatttg 240
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aaactaggga accaaaattg ctgattactt cacaaaaacg attctcaaaa gcctcctcca 360
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cctc 424

<210> 353
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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ttgcctcaag cacttgggag aaggttgcac cagaaaagac gttgatcaca cctgtgcagt 180
gtaaatcact gtggaggcaa ttttaagaacg agacagaata taccgttaca caggccattt 240
ctgcacagga anctaaccga cggaataaca actgggctgc aactccaatg ggcaatccct 300
ggccctggnt ggtccttggga ttaaattnaa ttaagaaccc ccttaagaaa atccccaag 360
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ttaaatnttc aaggaaa 437

<210> 354
 <211> 363
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-H5

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 ggcatgctca attatctctt aacctagcta tgtaggctc tttaaccatt attgtagctc 180
 accatatgta ttccatgccc ccttatccat atctagctac tgactatgct acacaactgt 240
 cattgttcac acatcacatg tggattgggtg gatttctcat aatttgggtgc tgctgccatg 300
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 tta 363

<210> 355
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-A12

 <400> 355

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 ctctcaaatg aacagagaaa ggcatatttc gaggagtatg attaccgtgt aaagctcctg 180
 cagaagaagc aatggagaga ggaattaaag aggatgaaag aaatgaagaa aaacgggaag 240
 aagctgggtg aaagtgaagt tggttatccg ggaagaagaa gatgattcaa gaaaacgggg 300
 ctccagctgc agtgccagtt ccattacccc gatatgggtt tgccaccttc atttgataat 360
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 aattgttggg ata 433

<210> 356

<211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-024-Q1-B1-A9

 <400> 356

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 aagctcggct gtgttttctga agaggaagtc atttcatggc tcatgacttg ccagcatgaa 180
 tctggtggct ttgccggtaa cactggacac gatccacata tcctatatac actcagtgtc 240
 gtacaaatct tggccctatt tgacaaaatc aacattcttg acattgggaa agtgtcaagt 300
 tatgttgcta agttgcagaa tgaagatgga tccttctcag gagatatgtg gggagaaata 360
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<210> 357
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-B4

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 ttcgattctt ttttctcaat ctgggttttca gtcttcggat tcaatggcgt ctggatcttc 180
 gggtcgggtc aactcaggat ccaaagggtt cgatttttggc tccgatgata tcctttgctc 240
 atatgatgac tacaccaaac aaagaactcc ctctaaatgg gcctcaatcc cgattctggc 300
 gattgcctgg cttncaaatc caacaaaggg aattccaata aaacaaggat gggaaagggc 360
 ctcgggtttc cctaaaaagc tcctaaaatc caacaagagg gaatccttga gccaaagacat 420
 taatgacant ggc 433

<210> 358
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-B6

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tcctttcgct gaacagattg tnaagaacag tgtaacaat gctcttcaag cngatccac 180
tttagccgct ggncttatcc gtatgttgtt ccacgactgt ttcacgatg gatgtgatgc 240
gtcaattctg ctagattcaa cgagagacaa cactgcggaa aaggattcgc ctgcgaatct 300
gaatctacgt ggntacgaga tnatcgatga tgcaaangag aaaatcgaaa atanatgtcc 360
aagagttgta acatgcgcaa atttanttgc ca 392

<210> 359
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-C12

<400> 359

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taatactgtt cgtcttcttc ttgctctctg tagcaatgtg ttctcttcac tctttttctt 120
ccgtagcaat ttcattcaga actcaaaagt acgtaaatac ctctctcggt catcgcttat 180
ctcctatagg atatcgtaat tctctctac cgtgggcagt gacgtcaatt gacgaaatcc 240
ctcctaagtc tgttcgccgg aaaatagacc ggaattggag aggtgggttc agtctcggcg 300
tagatttagg tttatctcga accgggaatc gctattagta aaaggctaac accgttaaaa 360
cctctcacgg tttgaaatcc ganaaggga aaaactccga agaaccaagg cttttaanaa 420
aattgctg 428

<210> 360
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-023-01-B1-C2

<400> 360

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aaactgccat	ttcatcaccg	gaatcaacta	caacgggtctc	agcgtgaagc	aactacaaga	180
gctccgtgga	atcctccgtg	aaaacacaaa	cacgaagctc	ctcgtcgcca	agaacacttt	240
agtctacaaa	gcctttggaa	nggaaccaaa	tgggaatccc	ctgaaaccaa	tgttatnaan	300
gggaataaac	gccttgggta	antccttnaa	tcctgaaaga	tanacctgct	ggcttgaaan	360
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<210> 361

$\langle 211 \rangle$ 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-023-Q1-B1-B12

<400> 361

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ctccaagtga	cggttttcctc	aagctgcctg	cgtcgtctat	tccggcggac	agccgaaaat	180
tagtagcgaa	ttctacttcc	tttcatccaa	atctcagccg	ttaacgtctc	tgctcaagct	240
tccctcaccg	ctgatttttcn	cgccctttca	gaaactatac	tgaaagaggg	gaagaaataa	300
cggaaaagag	aaaacaagan	aaacaatcgt	gttggcacia	gagttcgata	tgcatatgcy	360
acagaçanca	aactttcttca	acaaaagggn	tgtgtcgntt	ggattactgg	tcccaattgg	420
tcaaggaaaa	gc					432

<210> 362

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-023-Q1-B1-C5

<400> 362

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ctgtcccaat atataatcgg gttttatgtc cagcatctcc gacttcgga gttgtgatgg 120

ctggccctct gtttggcatc atcnggcttc tanaaggagc gttggccagc ttcgtcgttt 180

tttctagtcg tccggtgtat gaggttcgta tcacgtttaa tttcgtgtt ttggttatta 240

taaatccagt agatccggtt angtctctac ttttgttcaa nttatttcna ggattaatag 300

ttctgctccg ggtgggcctc caacaagggn tatgtgntga taagccttgn tggatcnaga 360

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aaagcccaag taacaatt 438

<210> 363

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-023-Q1-B1-C7

<400> 363

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acaacttact caagattcag cacttactcc accaatctca gaaccctttt gtcctctttt 180

gcttcccgca acgcctctta ctccaccgga ttccagaacg tcacggtggg acaaaccccc 240

gacctgggtca ccggactttt cctctgccgc ggagacctct cgccggaagt ttgcagtaac 300

tgcgttgctt tctccgttga cgaagcgtta actaggtgtc caagtcagag agaagctgtg 360

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aattacaaac g 431

<210> 364

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-023-Q1-B1-C9

<400> 364

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tgaggtgcaa tataactact gtgtgtatga ctcgacaga gctacagggt atggagttgg 180
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gttgtggaaa gcctctcaag cctggcggtt cagcgctct tgccctcatt ctcttcattg 300
ttagctggat gttcttcttg atancggnga tatgtctatt agcctggatc gtagaaatgc 360
ataccacaca aagtacagga caatgttcan ggncaatcct cctgattgtc aaactctacg 420
taa 423

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<210> 365
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 365

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ccgtcataac cgcagtcact gctcagaaca ctcgaggagt tcaatctgtt catcttcttc 180
ctccggaatt tatctctgaa cagctcaaat ccgtcctctc tgacttcgaa ttcgacgtcg 240
tgaagactgg gatgcttcct tctactgaga tcgttgaggt tcttcttcaa aatctatcag 300
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tgggctgggt 370

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<210> 366
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 366

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 gtttctgatg gtgtctcaga ctactctaag aagttactca aggctgatgg atggaaagta 240
 gagaagatta gtttactggc aaatccaaat caagttcatc cgactangtt ctgggggtgt 300
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 ctgatacaat tgggtggtaaa gacaattgan g 391

<210> 367
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tccggtcaag aaggagaaga cgagtcctgt ttcggcggcg gtgacggcgg cgaagggaaa 180
 gcattataga ggagtgcagc aaaggccgtg ggggaaattt gcggcggaga ttagagacct 240
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 ggcttacgac agagctgctt tcaggatgcg tggttcccg cgtttgttga attttccgtt 360
 gagagttaat tcaggagaac ccgacccggt tcgaatcaag tccaagagat cttctttttc 420
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 tggataaggg attga 495

<210> 368
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 <212> DNA
 <213> Arabidopsis thaliana
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catg 424

<210> 369
<211> 421
<212> DNA
<213> Arabidopsis thaliana
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aantccttgg aagcngccgt gtgacaatga ggaagactgt tgchnaancca aagggnchnat 180
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n 421

<210> 370
<211> 443
<212> DNA
<213> Arabidopsis thaliana
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 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 373

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 aatttgggga tttcgggtat gttgctcccg agtattcaag aaccatgggt gcaactccaa 240
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<210> 374
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 <400> 374

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 gggtgactaa tgttcggttcc atcggaaaac aaaaacacaa caaactcaaa accaaaaatct 180
 ccataaacat atatagagct attaattatc atattaaact ctcacacact cttattataa 240
 aatgttttga ctctgatat tagaccaact gcaaaaacta aactaatcac tccaagattt 300
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ttttgtaatg aggatattgg tgatgatctg gtcaaccggt gaaccattcc ntacg 415

<210> 375
 <211> 495
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 <400> 375

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 gttaacaaca acgcatgggc cttccgcca caactttgtt cccggaaaat tagccaantt 420
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 aacttgttta anatg 495

<210> 376
 <211> 366
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 376

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 cattgctagg aaccgtccca acatgactcg cttccgtttg tgcatcattg agccaaaagc 180
 cccagactat ctgactctag agccactgga tattggattt ggagccatag tagagcactg 240
 caaggatctc cgtcgcctct ctctatctgg cctcttgacc gacaagggtt ttgaatacat 300
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 aagcat 366

<210> 377
 <211> 430
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 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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attattcacc gcccgatgat ctccaccgga ggaatcgctg tttccccccg tagagttttc 180
aaagtccgag ccacagatac gggagagata ggatcagctc tattggcggc ggaggaagca 240
attgaagacg tggaagagac ggagcggcta aagagatcgc tcgtggattc gttgtacgga 300
acagatcgag gtttaagcgc atcgagcgaa accaagagct gaaatcggga gattctaata 360
acaacaagct cgaagtctaa agaaccctac tccanctccg acgggaagct ctttttcctt 420
tctcaacggg                                     430
  
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<210> 378
 <211> 361
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-D3

 <400> 378

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cattgcctgc gtcttgcttc ttcaagagct tctgcaacaa caaagataat tagagatgca 120
gttgaagcat acaaccgtga gaggagctca cagaagggtga aacggcatca tactttggct 180
aagtctgaag ttttgggacc tattgtagtt gtgtaggaag aagacataaa taaaacattt 240
gctgtgggtcc gtcgattgta aataaagatt ttagttgtag aaaatcttaa caagcaacac 300
taagctataa aaacgtcgat atgatnaaag aaaaanaaac nggnnnngaaa nnaaaaaaag 360
g                                     361
  
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<210> 379
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 379

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 tctctgaact ttcacagctt cttatttcag aaatcgaaac cgtagttgaa attgaattga 180
 ttacggttat ttaaattgaa attggttgca ctccggttta cgggaaccaa tcaatatgat 240
 gaatgtggag atnaattact gaaaatataa ttgtggtgtt tttgttaaaa agaaacacta 300
 attaagggga ctaaaaaata aaatttttaa attttgnttt tcccaactca agtttttttg 360
 gnttaacttg taaggtaggt tcctcanttg gtttganact gacttgc 407

<210> 380
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 gaattaagcg aggaagaatt gaatatgtat ttggatttgc acccattctc taatgcctct 180
 ccgtacactg ttgtggagac aatgtcactt gcaaaggccc ttattctctt ccgtgagggt 240
 ggcataangc acttactggt tanacaaaa acctccaata agacctccag tggttaagtat 300
 atgacacggc atgaacttca tgccggaaca tatactaagg cctgcaatcc cctccggttt 360
 ctcggaanca agttgaaaaa ggnttcgga ntccggctgg cctttcgtcc tna 413

<210> 381
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<400> 383

cttcccaagt tcaccgcaat ggncagcgcn tcaatcttcn ccgccgccgt gaccgtcacc 60

aganatgtga natctcttct taatccatct gtctcngata ancggaataat cattatctcc 120

ttcaaagttc agctcaatca aagcctccgt ttcattttcc cgcanaacgc taactcgaat 180

tcganactct tcatctcccg ccgatcactc anncgccanc gccgtggaag cgatcacgag 240

tcgatccaaa acctncttga aatctcgtct ccgtggagga gaaactctct atggncctct 300

tttactctcg ttctcgccga cattagnca gatcgtctgt caccgccggtt acgattacgt 360

cntcgttgat aaggaacatg gtcnc 385

<210> 384

<211> 391

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-021-Q1-B1-F2

<400> 384

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tgccctgagct gttcgatgag caaaaggatg atgtctctaa ggagcaaata ttgcgtgtga 120

ttttcttggga tcttgagcgc tccaaccctg cattggaaaa actgaagcgt caattagcag 180

aagcggatgc agcgggtggag gcacgaaaga aacctccaga ggaaacaggt ccaaagatga 240

ttggagaagg gcttgtgatc gatgaatgga aggagcgtag agagagatat cttgcacagc 300

aacaaggcga aggagctgac tctgtctgag agactaaaag agttttctca ggacaaaaac 360

aagtgcgctt gtgaagatna agaaaaaagg g 391

<210> 385

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-021-Q1-B1-F5

<400> 385

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gatgcagggt gttggacaca atgatgagaa agtacttgta cttgcagcaa ccaatacacc 120

ctatgctctt gatcaggcta tccggcgacg ttttgacaag cgtatctata ttcctctccc 180
 agaggccaag gctcggcagc acatgttcaa agtcacttg ggagatacac ctcataattt 240
 aactgaacct gattttgaat atttaggcca aaagacagaa gggttttctg gttcagatgt 300
 gtctgtttgt gtaaaagatg ttctgtttga acctgttcgt aaaacacaag atgcaatgtt 360
 ctttttcaag tctcctgatg gtacatggat gccatgtg 398

<210> 386
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-F9

<400> 386

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 atactacaat cagtgaagaa gctgcatggg ttctgtaaaa tggagaaatc agatgatctt 180
 gtggctagaa tttatccaca attcaataaa gtcttccatc gttcggttgc ttcactaatc 240
 tcaagtccga agtcaggggc gtccaaaagg gcttctcctc tggctaagcc aattccttca 300
 attttttcct ggatttgggg gataatgggt tctgcacga atcctgaacc caaagttttg 360
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 g 421

<210> 387
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-G1

<400> 387

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 tttcctaaag gattcgtgtt tggaaccgcc acgtcagctt atcaagtcga aggcgagact 180

catcaagacg gtcgtggccc aagcatttgg gatgccttcg tcaagattcc tgggaagatc 240
 gccaaagaatg ccacggctga gataacagtg gaccagtatc accgttaciaa ggaanatgtg 300
 gatttgatga agaaactgaa cttcgtatgct tacaagattt tccatttcaa ggtccaagat 360
 attccctgag ggaaagtggg aaagtcaact ggaaaaggat tgccttaata aa 412

<210> 388
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-G3
 <400> 388

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 gagaatcctt agcggttaaat actcaatccc tgatgacata cggatatcac ctgaatgctg 120
 tcatcttatt tcaagaatct tcgtggctga tcccgctacc agaataagca taccagagat 180
 caaaacccat agttgggttct tgaagaatct ccctgctgat ctaatgaacg agagcaacac 240
 aggaagccag ttccaggagc ctgaacaacc aatgcaaagc cttgacacaa tcatgcaaatt 300
 catctctgaa gccacaattc ccgctgttcg aaaccgttgc ctagacgatt tcatgactga 360
 caatcttgat cttgacgatg acatggatga ctttgactct gaatctgaaa tcgacattga 420
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<210> 389
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-G9
 <400> 389

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 tgcggttgnc atcaccgana gacatggngg antcgagatc ccctcctgta acgaataagg 180
 tggagcatgt gatggatatg ttcggtgacg ttaggggtga caattacaac tggctccgtg 240

acgattctcg caccaatccc gacatgcttt catatcttcg tgaagaaant cagtacactg 300
 atttcgtcat gtctgggacc aagcantttg acgaatcatc tgtntgctga aanaagaggg 360
 aggatcaaag aanatgatat atctgcagc 389

<210> 390
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-H1
 <400> 390

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 ccgagaatgg ttttatcggg gaagcaaaca ctctctccga aaatcggact tttccgacga 120
 aacccttcat cctcactagg aagatctcct gtttctctct cgtttccatc gacggagctt 180
 ccaaaacgca ccgttttagc cgtgtcaaag ccgcttcac tctcttcttc tctgagagct 240
 aagtctccgg tagtgagatg tgaagcttat gaagctgacc cgattcagag cccatccccga 300
 ttgggtgatg aangctggng gcggggggaa aacgaaaatc agaaggcggg taaagaaaat 360
 tgaagattng ggatttacnt tggcaacttg 390

<210> 391
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-H11
 <400> 391

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 cggctcgagc tttcttcttc aaaagttcga aacttttttt tttccggcaa tggaggggact 120
 agttccggta cagagacttc caattaaagt ggcttcacct tctctgtatc ggtgtaacaa 180
 ttctgtctca atcagacgtt caatttcagg ttttgccatg gacaggaaga taaacttttag 240
 ggctccgctg caattctcga tccgagctca acagtcggat ttgaaggaaa gcttagctgt 300
 gtctttcttc tcagtagagg ataaaggaaa tgttcttaga atcaaggaat gggaagtaga 360

gatgtatcag gaggaattag ctattagtca aggtattagg ataaggagaa aaccaccaag 420
 taaggctcct ttgggatact ctggaccatt tgagttgaga ttgcataaca atgatgcctg 480
 aatc 484

<210> 392
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-G8
 <400> 392

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 ttcggtctga gcaatagcat tgactgggtct ttagaccaca cacctcgtgt tcttatcccg 120
 gtagccaacg ggtctgaagc ggttgaactg gtctcaattg cagatgttct tagaagagcc 180
 aaagtagatg tcacgggtttc atcagttgaa cgatctttgc ggattacggc attccaaggc 240
 accaaaatta tcaactgacaa attgattggg gaagctgctg agtcatcata tgatctaata 300
 attcttcccg gaggccatac tgggtcagaa cgtctgcaga agtccaaaat tctcaagaaa 360
 ctgctcaggg aacaacatga atctgggcca atatatggga gctaccaact cttcatcnac 420
 cgttttgcat aaacatgggn ttacncaagg ngaagaaaaa gaacngttta c 471

<210> 393
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-020-Q1-B1-H12
 <400> 393

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 agaccggcg gtggcgcgcg caaaagcagg cttttcgtcc ctgcttttag ctctcttcc 120
 tcttttgatc ttaccaatgg cggctccgaa gaaaccctt ttcccgtaa gagagaaaaat 180
 tctggtgaac gtgtgaggtt ttcccgagaa gagatacttc agcacagaga gtctgttcaa 240
 gtctctgatg aaattcttag acgctgtaag gaaatcgag ttgagctttt tggcgaagag 300

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-H9

 <400> 396

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 ggttgctcaa gtctgagaac ttttcctctg atttcaacta gaatcgaatg tctctatctg 180
 caaaacaccg ccattgaaga agttccctgc tgcattgagg atttcacgag gctcactgta 240
 cttatgatgt attgttgcca gaggttgaaa accatctccc caaacatttt cagacttaca 300
 agacttgagc tcgccgactt tacagactgt anaggtgtca tcaaggcggt gagtgaatgca 360
 actgtggtag cgacaatgga agaccacggt tcttgtgtac cattaacc 408

<210> 397
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-A10

 <400> 397

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 agaaataaac ctaatctcgc cttgcgatgt tcagtctcaa ttgagaaaga agttcccgaa 180
 actgaacgac cctttacttt ccttanggat tctgatgacg tcaactccatc ttcttcttct 240
 tcttccgtca gggctccggt tcgaagacta tgattagggc tgctcaagac agtggttggt 300
 gatggaattg gaagctatan aaggggggtc ctaaagtta aaagaanatg tttgggtctc 360
 caacctggtg ggtgggcggg tgggaatcan gtcgtgtgtt tgcaaggacg ggggaatgcn 420
 tttgagaaaa gcctggngt ttaat 445

<210> 398
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-A11

<400> 398

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atcagcacag ctgcaaactt gaggatattc ttcttgaaac tgatcggatt ttacgaccgg 180
aagggattgt gatcttccgg gatgaggttg atgttttgaa tgatgtgagg aagatcgttg 240
atggaatgag atgggatact aagttaatgg atcatgaaga cggtcctctc gtgccggaga 300
aaaatcttgt cgccacnaag cagtattggg taccgcgcac natggaaaca antctccgtt 360
ngcctttnaa tatgannaag aatanacaaa aacaagaaac tcctcaaggt tactaaacct 420
tgaagg 426
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<210> 399

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-021-Q1-B1-A5

<400> 399

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agtttcctca gaggaatggg aatgaaaatg cantgcaagc ttctgcgaat gtacaatctc 180
ctcttgatcc agaagctgca gagggtttgc agagtgaact tccttttgag tttcaggtcc 240
tgagagattgc acttgaggtc gtctgctcat ttgttgataa aagtgtggct gctcttgaga 300
cagaagcttg gnetgtcctt gatgaactca ctaagaatgt cagcactgag attacttttc 360
aaacttcgta atattcaaga ttctcagtgc tgacattctt gaa 403
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<210> 400

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-021-Q1-B1-A6

<400> 400

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cgctctgacc ttgcgtctca ggtttttcaa gagatgaatt accaggggtg ttatccggac 180
agagacagtt acaggatttt gatgaagggg ttttgtctag aggggaaact tgaggaagcc 240
actcacctgt tgtattcaat gttctggagg atctcacaga aaggttcagg tgaggacatt 300
gtggtttata gaattctatt ggatgcatta tgtgatgctg gtgaggttga tgatgctatt 360
gaaattcttg gtaaaatctt tgagaaaagg gttaaagggt nccgaaacga tgttac 416

<210> 401

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-021-Q1-B1-A7

<400> 401

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caacagaaca gcaagatgat gatcatccag ttgcattctt cagacgagta ctactcgaat 120
ttgttgcttc gaaaaagaaa aaaaactctt gagaatgtgt ggaaaagaga ggtgattggt 180
gttcatagat caatactatg tatcttttgt atcatcatct cttgaatctt ggtactgatc 240
ttatctgaat agtatgaatt tgcattctcat aagaccatat gaacaagagt gagttatgta 300
ttcanaaaca ggaatatttc cagacacaag aagcatcata aagaagcaga aaaattcaag 360
ggagagctac acaaagacaa cgcgcaaaag aaatagactc cgaaaagc 408

<210> 402

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-021-Q1-B1-B1

<400> 402

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ttcttgctgg cagtttttac ttttcttggt tcatcttcat atggtanagt tctcaagttg 360
aagagcgatg atgatcgacc tgtttacaac catacgcttg ccgtcacgcn tgtggagtat 420
gcctccngcg gtccaagaat ccggatttga caaaaaccct caacttggnc ttgcnaaana 480
tgcnaatggg gtttgacaaa agganttcca aattataaaa ggt 523

<210> 407
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-D6
<400> 407

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agcctcgagg gaaagggtat tggggctttc tgtttcttgc aaatcccgag ccctgagctg 180
cagcaagctt tagcagtcca acggaggcag gacacagagt gtttcacgaa ggcaaaagag 240
ttggcttata tttgtcaggt gataaagaat cctttgagcg gtatgccgtt tcgcaaactc 300
attgttgga ggccacagac ttgaacgang accaagaagc agttacttga aacaagtgtt 360
tccttgccaa naaacaantt tcaaaggatt ctccgggaan atggattttt taaagc 416

<210> 408
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-E1
<400> 408

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ttctcaaagc tcgcggaagg cactgacata acctcggcgg cgcttggcgt ttctctccag 180
aaagctcgca gctgggacga aggtgtttcc tccaaattct ccaccacgcc attgtcagat 240
atcttcaagg ggaagaaagt cgtcatcttt ggtcttcttg gggcttacac gggagtttgt 300

tcacancagc atgtgcctaa ctacaagagc cacaattgat aatttttaaag ccaaanggaa 360
 ttgantcctg tcanctgggt gtcccngtta aaggatccct ttgcnatcaa atggntgggg 420
 caaaaaaaaaan cttggtgccca aaagatgcaa attgag 456

<210> 409
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-E12
 <400> 409

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 cttcttcggt cagagaacaa agatgatgct ttattggctt tccaaatctc tttcgatctt 180
 gtacagaatg agcaccaggc attcctcatg agtggttagag atcgcttcc agcgcccaag 240
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 gcanggggat gttcagatgg cggatganac tccatctcag acaattgtgc atgaaacaga 360
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<210> 410
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-C6
 <400> 410

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 ccagcaacta gccctgctcc acagcttggc ggggaagggc agttgtacgg tgctcagcag 180
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 acccagccgg gattctctct gcaaaacaaa cctgctggtg tgaagacact acctgcggat 300
 agcaataatg ttgcttcngc tgctggtatc acaaaaggaa ntatggntna nctccattga 360

acccancnna caagccaacc cttaaaaccc aagttaattg aagggaangg ttccccaaaa 420
ggagtttggt gccgg 435

<210> 411
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-E4

<400> 411

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taacggtgga tcatcgacga cggagagtgc gtgtggggac aagtgtacga gagattgcaa 180
atgttttaggg tttttctaca atagaaagag ttcgaggtgt tggttgggct acgagctcaa 240
gacattgact agaaccggag attcttcctt ggttgcttat gtcaaagctc ctaatgcaaa 300
caaaaagtca actccttgag gnctgaaagt catatatata tatgaaaatt aatgtgttgt 360
gtgtttaana agggtccttt tgggtaccct ttttaaaatt aaatggggtn cggatcccaa 420
aa 422

<210> 412
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-E5

<400> 412

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gtttatgtcg acgangatga anagacaggg ctgcanctca gattccgggtg atctacggng 180
gcagcccagt cgtctannaa nangatcccg gcgttaaaaa ncgttccggc gactccggcg 240
gcgaataact ggaatacggg tatanctctc ctctcgccgt tagctctttc tcccgaatca 300
tcaccggtn gaccaannanc ggntgacaaa aatcagtcga cggcgggtgg cggatgaaaa 360

aacgcngtn ttcaagggat gggaacatcc gctgcgcctt ttaattacga gnccatcgaa 420

<210> 413

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-020-Q1-B1-E9

<400> 413

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agcaattcaa tgagtaattc aagatctgtt gttgttgctt gtgcttgtgt ttctatggat 120

ggatctcaaa ctctgagtca taacaaaaat ggatctattc ctgagggtta atccattaac 180

ggtcacacgg gacaaaagca aggacctttg tctacggctg gaaactcgac aaatataaag 240

tggcatgaat gttctgttga gaaagttgat agacagagat tgcttgatca gaaaggatgt 300

gtgatttggg tcaccggtct taagtggctt aggggaagagt actttggctt gtgctttgaa 360

tcagatgttg tatcaaaagg ggaagctttg ttatattcct gatggtgata atgttaagc 419

<210> 414

<211> 452

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-020-Q1-B1-F1

<400> 414

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tctttgattt acagtggctt aaactcaacc ctaccgagca agtcttcttt taaaaactca 180

ccgaatcatc atcatctcgc gacgttttct actcctccat cctccccaag ctggaagcga 240

tctctttcac tcactctcac tcactttcgc ctattcacgg gtcaccttaa gtgggattca 300

caagattcaa agccgcattt agttggcttc tcaaggagac acactctctc tcaaaatggc 360

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aagttacgcc ctctaataac ccgaagctaa cn 452

<210> 415
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-F10

<400> 415

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 gtcgccagtg gcgtcaagaa gatcaagacc gacaagccct tcggaattaa cggcagcatg 180
 gacttgaggg acggcgctga cgctccggc agaaaggga anggatacgg tgtttacaag 240
 tacgtccaca agtatggagc taacgtcnat ggatacagtc ctatttanaa cgagaacgag 300
 tggtcancga gtggtgacgt gtacaaggga ngagtcaccg gantggcann ttgggcggta 360
 actctcnng gaattcctgg ccggaagtga tctcccttg ta 402

<210> 416
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-F11

<400> 416

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 agttcccgtg gtggttgga actgcatang ctttgcaagt aataggacat tctttcctta 180
 ttcacaagct gcacatatgt tggccaatct aggtgttgac ttgttcagaa ttgacagcgt 240
 tattacctct ttcggcttgc cantgggccc tttccanctt ggtgatttgg ctggacacgg 300
 gattggatta ncagttgggc cgatatatgc caangtctat ggtgaccgca tgttcaagat 360
 ctccaatgac agagcttctt ctttaagancg ggcgaaaatg g 401

<210> 417
 <211> 432
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-F6
 <400> 417

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taaagtagca acttcaaagg gactcaatct ttacgctttc ctcggtatt cttatcttct  180
tgcttctctc cttcttcttc cttctctgtt cttcaccgac aggtcaagat cacttcctcc  240
actaagtttg tcaatacttt ctaaaatagg acttcttggg ttgctaggat caatgtatgt  300
gatnacagga tacataggca tcgaatacag cagcccaacc ttancctctg gcaattanca  360
anacaacccc ngccctaact taacctnnc attacctcaa ggttgaaaaan cnaaatTTTT  420
TTTTCCAATT aa                                                         432

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<210> 418
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-F8
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tcggcgttac tggaatcgtc ggaaacagct tggcgagat tctccctcnt tccgacacac  180
ccggtggtcn aanggaaagt ctacggcgtc gctcgtcgtc ctcgtcctac ctggaacgcc  240
gatcatccga tcgattacat ccagtgcgat gtctccgacg cngaagacac aagatcaaag  300
ctttccctt naaccgatgt cacacatgtc ttctacgtca cctggaccaa tcgtgaatcg  360
gaaannnaaa aactgtgang caaatgggtc aatncncncn taaagttccc caangngnat  420
ttcccataag gcgcaaaatn cccaanatn tttgttccca aaanagggga a           471

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<210> 419
 <211> 448
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-G3
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 gtttcggaca gtacaccgcg tactaccgtg agatgaggaa gatgtgtatg gtgaacctct 120
 tcagcccgaa ccgtgtcgca agtttcagac cggttagaga agaagagtgt caacggatga 180
 tggacaagat ctataaagcc gctgatcaat caggcaccgt tgatctaagt gagcttctct 240
 tgtctttcac taactgtgtc gtatgtagac aagcttttgg gaaacggtac aatgagtacg 300
 ggacanagat gaagagattc atanatatcc tgtacgaaaa gcaagcactt ttggggcaac 360
 cctgggttttt ccccgaaactt ttcccctaatt tcnggttccc ttgacaacct cantggggccc 420
 aantgcacgt ttcaaagaaa gctttcaa 448

<210> 420
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-B2
 <400> 420

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 tcgtctctca aactcaaata tctgaaaaaa cttttctggn ntannnnnaat aagttacacg 120
 agactttcaa tttctctgta tattttcctt ttgattccca gaaaatgtca ctagattcca 180
 ctttctagct tgcgttttct cgggaatctg aagtttcctt ttgtgttgaa tcgctgggaa 240
 aaatctgatg gaagcagctt caagggtttt tgtgtanaag tattcggatt ccgtcgacta 300
 cnacggcgac gggcggnggt tcacgttcac tcgaacgccg gtttaaacta cgtttgtgtt 360
 gttcggagtt tcgtgttttc cccgnacgcg ggaaggctct ttngaacggg cgtaaattgg 420
 gnggg 425

<210> 421
 <211> 411
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-B9
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 caaccgtgcc cttcaattcg cgacgagtga cccggctggg ccggtatact tgtgtgctgc 180
 caggggaagtc atggagtcgc agatcgaacc atactccttg aatcaagact tgtggtctcc 240
 agtcgagatg ggcggactcc ctgaccaggc agccagcaag attgccaacg ccctggcccg 300
 tgccgagaaa cctctggttg tgacgggata cgcggtagg aaccacgacg caccgtctgc 360
 cctcgctgaa ctagctgata cgggtgaangg cttganaatc ctccaatggt g 411

 <210> 422
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-C5
 <400> 422
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 aacaataacc tcaaagaaga gcacagcgac tccacagggtg aaactgctga caagagtcga 180
 gcagctcaag cttctgacca aagccgagaa agcaggactt ttgtctttag cagagaaatc 240
 aggtttctct ctatcgacca tcgagcgtct tggattgctg accaaagcag aggagtctcg 300
 cgttttgtct gccgccacaa acccggaac gcctgggaac gttattcact ttgagcctcg 360
 gtttactccc tcctgggacc gggttttgca tanttgg 397

 <210> 423
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-C7

<400> 423

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ctgttgagcc gcgtccatat gggaccttta atacgattcg agaggtttac gatgaagctg 120

gaataactgg cttctggaaa ggtgtaattc caacattgat catggtaagt aatccgtcaa 180

tgcaatttat gttgtacgag acaatgctaa ccaagctgaa gaaaaagcgt gccttgaagg 240

gtagcaacaa cgttaccgct ttggagacat ttcttctcgg agctgtggcg aaactcggag 300

ctacagtcac aacttaccct cctccttggt tgtaaatcnc cnaactcaag ccaacaagg 360

tcacaacaag gggacaaaag gacaacaatt acaaaggaac attgggaccc aatt 414

<210> 424

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-02-Q1-B1-B10

<400> 424

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agaatttcat actctgatta atgtcttact caaacgccta cgcaccgtcg gcaccggagc 120

taccagaatc gttcgttcag cagcagcacg atggtgaaag tagatacact tacgcgtatc 180

catcatatca accaactcag caattcagct cttactccgg gatgttttcc ccggaaacgc 240

atccggagat tgtgaggagc tttgagtcgg cggatagaaa ccggagcgga tttctcgaag 300

aatcggagct ccggcaagcg ttgtcgttat ctgggtacga tggaattagt aacagaacga 360

ttaagttgct gttgtttaat tacaagatt cctgtanatt ctctgcttcg ggct 414

<210> 425

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-02-Q1-B1-C8

<400> 425

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caacatcaaa gaagacacat acttcgtctc agaactcaaa cccacggagc aaaaatcact 120
tcaagaactc aaagaaaagc tctcagcttc atcctccaaa gcttcttcaa tgtggggagt 180
ctcactcctc ggtggagacg acaaagctga cgtaatcctc ctcaagttcc tcagagcaag 240
agatttcaaa gtagcagact ctttgagaat gcttgagaag tgtttgaggagt ggagagaaga 300
gttcaaagca gagaaattga cagaagaaga tctgggtttt aaagatttgg aaggtaaagt 360
tgcttacatg agaggctacg acaaaagaag gacaccagtg tggtacaatg cttaang 417

<210> 426
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-D1
<400> 426

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gaaaaactta gatttttgggt tttgctttcg gagttattcg aatttgaaat atctgaatct 180
gttgattcat ttattctccg catgaagctg tggtggtgaa gtttttcgga gatttaggggt 240
ttctgagttg ttctcgtttt ggttgggtgaa taaagcgaag atgaacgtga tgcgtcgtct 300
caaagagcat tgcttcgggt cggacctcca tttctcggga ttctggtggg gactaagccg 360
ttgaagaaga actaanctgg gatnaagaag aacgacaact tgtggtgttg attcaaa 417

<210> 427
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-D11
<400> 427

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ccaaggaaga gagtaagagt actactaaac cagaatcagg ctcaggagct ccaccttcac 180

cttcaccgac tgatcctggg cttgatttca atgcttttga tttctccggc atggctggga 240
 tcctcaatga tccaagtatc aaggaattgg ctgagcaaag agctaaagat ncttcaatta 300
 accaagttaa ctgaacaact tcanagatnt gtgccaaccg gatntcaaga angangtcna 360
 nctaactttg atncacaaca atatatgcaa acaatgcaac aaggtaaggg 410

<210> 428
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-D3
 <400> 428

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 atctcctctt caatgttctg tgaaagtga gttccacaaa tctgatccat tcttggtgaa 180
 catgcttgac taccagatca ttccttttagg ctttcaatac ataatgatcg gttgggatcc 240
 tgaatcattg gcaaattggtt acgtangcgt tgcttttctt ccggtaaaga agaacggagg 300
 agacgaattc gttgtgcttc ttcgctaacg taatcanttg ttggtgttga aaaattccga 360
 aatgaagtgg atgaaagtca agaaaanctc caatgcctca atgcaagg 408

<210> 429
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-D5
 <400> 429

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 tcatccgata agaaggatct cgttgtagag gatgtcagca acaaagagct taaaagccgt 180
 atagacaagt ctttcaatga gggtaatgaa gatgctttac ctggagttat tgaagcactt 240
 ctacagagaa gacttgtaga caaacacgca gagactgatg atgaattgat ggaaaaaatc 300

catggntnaa cttcaaaciaa tttcaaggag ttcaaaggat caacctccct ggaattcanc 420
ttgttc 426

<210> 432
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-E11

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tcgactttta attccggagg cggcggagggt agaaccggtc gtgttcccgt cggtatcgga 180
cggaagagac tgaggattgt tgtcaccggg ggagctgggt tcgtcggtag tcatcttggt 240
gataagctta tcggtagggg agatgaagt atcgtgattg ataacttctt cactgggtag 300
gaaggagaat ttgggttcat ctattctcga atcctaagtt tgaagcta atcgacacgat 360
gttggtgagc caatcctcct tgangtcgat nagatttaac aattaacctg t 411

<210> 433
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-E3

<400> 433

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ctcaatTTTT tccatcatga gattgtagaa aataaacaga aactcattgg atggtaatgt 180
aatttttagtc tcctttgcag aatttagatt ttgtttggta tgtgacaatg acatgtagac 240
tagtgggttg tgtagtatt gtatcaatac acgaaccata aatttgatcg aaaatatttg 300
gtttttgtaa gttaagtcaa aagaatctta aactcttgca tgcacatttt tcataaacat 360
gcaatattgt gactggacga aaatggntat gggatgagat ttgcattaca actta 415

<210> 434
 <211> 178
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n'locations
 <223> Clone ID: ARABL1-02-Q1-B1-E7

<400> 434

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 gatgtatatt tataattatc aaatgttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnn 178

<210> 435
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-E8

<400> 435

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 ccacagatca acatgcacta taccacaaa gcctcgtcta cgtctctcc gccgctccgc 180
 cgtcgctgga accgccgtat ctgatcaaac agaaggaggt ggagatgttc ttttaaacc 240
 tgaagaagag aaacgtgttg aggtggcgga ttatgattgg acagaggaat ggtatccatt 300
 gtacttaact aaaaacgtcc ctgaagatgc gcctcttggc ctcaccgtct acgattgtca 360
 aattggtttg tataaagacg gtgaangaac acttcgttgg tacgaagatt cggt 414

<210> 436
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-F3

<400> 436

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 cagccctggc ccggggctaa tgccagcgag ttttaaagtg aaatctgcgc cacttgaggg 180
 aaatgatggt tcatttgagg agtttttaga tccagacttt ggtggatcag ccattggacg 240
 tgttagccct gttgactctg gtttgtggtg gatcatattg ctgagagctt atggaaagct 300
 cacgggtgac tacacgttgc aagagaaaat tgatgttcaa acagggatna aagttgatac 360
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 tn 422

<210> 437
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-F6
 <400> 437

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 ctcaatcttc cccactcatt ttcactggta cacttctctt cttgctcac tcacctcttc 180
 tcctccctcc attatccaca catacgacac cgttttccat ggcttctccg ctagactcac 240
 ttcacaagac gctagtcaac tcttagacca tctcatgtc atctctgtta tcccgaaca 300
 agtccgtcac ttgcacacca ctcgttcccc tgagtttctt ggtcttaggt ccaccgacaa 360
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<210> 438
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-G5
 <400> 438

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 taaaccaacc gacgatcgaa tgggtgagcac tcaattcagt ggagagatca tttatcgaaa 240
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 attgggagaa acaaaaccta cgctccaan ggaacttggc cntttgaagg gnccgaagaa 360
 agagcgttcc ttccgttaca aagatnggga ttctccgaa gatgggaann agttctacgt 420
 gggacaagca tccg 434

<210> 439
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-H1
 <400> 439

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 gctacaatct aggcgggtatg ggttgcagcg cgggagttat cgctgtggat cttgctaaag 180
 acatgttgtt ggtacatagg aacacttatg cggttgttgt ttctactgag aacattactc 240
 agaattggta ttttggtaac aagaaatcga tgttgatacc cgaaactgct tgtttccnag 300
 ttggtggctc tgcgggtttg ctatcgaaca agtcgaaggg acaagagacg gtctaagtac 360
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 taa 423

<210> 440
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-019-Q1-B1-F2
 <400> 440

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 gtttgtccaa cacaaagttg atgtaatctt tgctgggcat gttcatgcct acgagagatc 120

gtaccgaata tcaaattgtgc ggtataacgt gtcaagcgga gatcgttacc cagttccaga 180
 taagtcagcg cctgtttata tcacagttgg agacggagga aatcaagaag gtctggctgg 240
 aaggtttacg gaaccacagc cagattattc tgcatttcgg gaagctagct atggccactc 300
 tactctggat ataaagaacc gaacacacgc tatataccac tggaaccgca atgatgatgg 360
 gaagaaagtg gcaacggatg aatttgtatt acacaaccag tactggggaa agaacattcg 420
 acgg 424

<210> 441
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-H12

<400> 441
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 tcttgagtct ctacagagga tttctaagag cagctcggtc aagaccaata gaagacagga 120
 agagaataga gatgattgtg tcaacagagt tccgccacaa ctctaaggag gtcgaccgta 180
 agaattttca gtacatcgag tatttgcttc ggtaggtac taaacagctt gatcaactca 240
 aaagccctgc catagttagc ctctcctcga tcaaggctgt tacatctaaa acctgatacc 300
 ttattttata gcttggttgc ctagtacca tagataacaa agctgaggaa attgattcgt 360
 tttcctcttt ttacattgag ttatgtatgt atgatgatgg atgttcaaag nccattataa 420
 aataaagaga aatgtgatca caaatggata tata 454

<210> 442
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-H2

<400> 442
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 aattcggctc gagaactatt ccttcttcgc caagttctct gagctataga agaaggaggg 120

atttcttcag accgccattg ttgcccacct tctctccttt ctatttttcg ccgcatttta 180
ctcgcttact gacaaaagtc ttctactcaa gtctctctct cgctctcttt ggaggctcaa 240
ttagggtttt gttgtcgtga gatttgatta cacaaattgc tgaatttggt ttcgattatt 300
ggtgttattg ttttcgaaga tttccagtga gtttccgttt atggatctga ctggaggatt 360
tggagctaga tccggcgggtg ttggaccgtg cccgggaacc aatangcctt gaatcgctac 420
atctcgggtga cgaatttcgg caactagtga cgaactttac ctcccagaaa ccccggggggt 480
tcgttcaagg gctttg 496

<210> 443
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-H4
<400> 443

cttaaccncg gaattcggen caancttncc ncngaaatnc ctttgtctga tcgtgaactt 60
gtagtagtgt tttcgtgata gaaaattttc aaagttaatg tgcatacact agctagtga 120
gaagaagaag actaactaag aatggaagga acttggtttc tccgtggaca acctctcaca 180
acaataccct ctcttcccag cagaaaaggg tttcttctcc aaagatggaa gaccaatcgg 240
attgtcaggt tttcaggttt taagaatcac tcggtttctg gaaagtcgag gtctttcgat 300
cttagcctca gagcttcagg tcccattaga gcaagctctg tagtaacaag aagcaagccc 360
taccaactta aattccaaag aagaagacct tgtctttgta gccggtgcta ctggtaaagt 420
tggttctaga actgtgagaa nagctactga 450

<210> 444
<211> 424
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-H6
<400> 444

gaggtggant gggatgcaag ctggtccact gcctttgcat tcgancaagc cacngtggca 60

aaccgggttc caaacgaaga tttgacgcn gctgaagcta cgaancaagc tctctttgaa 120
acaacaagca gtgatttgat tattattaca tgtaattttg tcaaggtcnt taagaggaga 180
ttantgggta atgatctggt gcantgaacc ctattttcat atgttaagtg cggttctgta 240
atgaataaaa tagagaagcg tttggtttcc tctaattgta acaaaaaggat cgttggatgt 300
atgatagaag tttttcntat aaaaccattt caagaaaaaa aaaaaaaaaa ggg 353

<210> 447
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-A10
<400> 447

cgagctcaac tttcctggtg gatccactgt caaggatgaa gaggacaatc ttaagagaag 60
gataaaggag actatggaga gagctttctg ggataatgtc atggaatcca tgaaattgga 120
gaagccagac tatagctgca tctctaacct tatgaaagaa gtgagtgcg aactttgcc 180
gatggtacca gatagctgga aagtagaaat aactgaaact attgatctgg acattctctc 240
acagttgctc aactccggca ccttgatat cgattacctt ggaaagatgc ttgagtttgc 300
gttggetact ctgcggaaac tctctgcccc aactaatgac cgtgagaatg aaagcaacca 360
acgggattta ctcaanggac ttcacaaggt tgtgttaagc tgaaaatgaa tcc 413

<210> 448
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-A12
<400> 448

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnntcgcgt gcttttttat tgtecccttt gnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnta ttcattgatt aaccctttca ntccacttcc 360
 aagtacctat ttactaagg agttggactt ccccttttc cgacaagcaa caaaaaa 417

<210> 449
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-02-Q1-B1-A2
 <400> 449

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 tcgttgaagg tgggattgcc tctgtaatcg ccggttgctc tactcaccct ctcgatctaa 120
 tcaaggttcg tcttcagctt cacggtgaag caccttcac caccaccgctc actctcctcc 180
 gtccagctct cgctttcccc aattcttctc ctgcagcttt cctggaaacg acttcttcag 240
 tccccaaagt aggaccgatc tctctcgaa tcaacatagt caaatcgga ggcgcgcgcg 300
 cgttattctc aggagtctcc gctacacttc tccgtcagac gttatattcc aacaacaagg 360
 atggggtcta tacgaagtgc taaagaacaa aatggactgg attctgaatc aagggaat 419

<210> 450
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-02-Q1-B1-A6
 <400> 450

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 tcgaactctg ttgattcca ctgtcgattt aatcatctta cctaattggcc ggaagggtcg 120
 cgacgtcgctc ggcgaaatgg gcgagagagt tttgttcag aagggtttcg tctaactctc 180
 ttggagctac ccgtaactgt tcttcggttc ctggagcttc ttctgcaccg aaagtccctc 240
 atttttccaa gagaggaagg atattgacag gagctaccat tgggtctggcc atagctggag 300
 gagcttatgt tagtactgca gatgaagcaa ccttctgtgg gtggctattc aacgcaacaa 360
 aggttgtgaa tcctttcttt gctcttctgg gatgctgagt ttgcgcataa gctg 414

atccgactct ctctctcttg caatttcctt atttcctccg caccacgcag aatgattact 240
 tccaaatgca tgcgatngca gattttctat catattccgg atgggagaca ngtcattgcg 300
 atattcggtg atgatgantg tggcangaac gggatatctg tccttggcna tgtattaanc 360
 caanaaacgc tctgangatct cttacaaggc tgcaatttac 400

<210> 458
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-C8
 <400> 458

aaaaaaaaca aaccttcctt aaccagaacc aaatttcaga tttttaaaca acataagctc 60
 taatggcgtc accaaagtca cccacaagac caaccaaca aaaccacaa cccaatttcc 120
 acgattttct tcctaccatg gccggaaacc taggcggtga aggtctgatc ggagagctat 180
 gcaacggctt cgagcttttg atggacagag agaaagggtg catcacgttc gagagtctcc 240
 gacgtaacgc tgcggcggtt ctgggttttag gagatttgac tgatgaagat gtccggtgta 300
 tgattaaaga aggggtgattt tgactgcnac ggtgcgttga atcagatgga gttngtgtgt 360
 tgatgttttag gcttagccct gatttgatgg aagcgtcacg gtgtcccgtc acgggaggtc 420

<210> 459
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-C9
 <400> 459

caagactata acanccatgc acgcgtacgt aagctcggaa ttcggctcga gcacatctca 60
 tttctccgct gtttcgtcgg caaattttcc catttttgat tccgaagata atagatatta 120
 tcaacagagg ataaggataa aaccagaac antcattata atttagtggt gaagttgacc 180
 aaatttataa actgatccaa ttttaaaatc taagagatat ggagaacatg gacgatttct 240
 caccggagaa tgtttttagca ccaccaccac cacctcctcc aatgaagaag tcaacggatc 300

agatttatcc ggtgatgcaa aacgaaataa ggaaagtggg gacaaagggc aaggctgctg 420
 gtgtgcttcg tttagtgttt catgatgctg gaacctttga actggacgat nattctggtg 480
 gcatcaacgg attct 495

<210> 462
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-D8
 <400> 462

agnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnangcnt taagaaatga 60
 tcatgttaca taaaaacgac atacatgaaa gcacaaataa naaggcttct ctantttctaa 120
 cagtagttaa atanaaaaat tcnttttttcg aaatgtaaag aaatataaaa ctccctgata 180
 tccacatgat tttcccaaac ccccccaaca aagtacagan aaagaacata gaaaaacnct 240
 ancggatana tgtgtttana taatcaatcc ttcnnttct ttttntgtt cngcntcgct 300
 ctgcnctgct tccggannat gtatagattc ggcaccgctg ttgtttaacc atttcacana 360
 agcntccatt cagaaatctc ctttccggaa ggagaagggtg gcgtcaagac gtaacagan 419

<210> 463
 <211> 372
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-019-Q1-B1-E2
 <400> 463

ccaatttctc ttgtctcaaa tttcagattc tcttcctctg aaaaaaatca aaaaccaagt 60
 cttctaattc catctcctct ctgtacccat ctctaataaa tctcaacttt gagtcaaaat 120
 tttgtcttct ctcaaacc aa ttcatagttc taaaaatctc acctttatct caaattttta 180
 atctttcatc tgattttctga aacccaaatt ctctaattct atctttgagc caaaaagt 240
 caatctttcc tctgatttct gaaacaaaa atctctaatt tcaaaaaaaaa aaaatctcac 300
 ctttgggtca aaaatgtcag tagcttgtgg actagaatgt gtcttctgtg taggattcag 360

tagatgggca tg

372

<210> 464
<211> 364
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-E7

<400> 464

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gaaaggaaac aaattcccac aatttcttgt cttctcttaa agttcttctt aagttgaagc 120
ttcttgtctg tttttgagat ttccagtaag aagaaacttc gctaattttc ccgcggaaat 180
tctcttacia tcataaagtt ttcttttttt tttgctctcg agaaagtttt gagaattttt 240
anttcttcaa atggcgtcaa gaganatata aacgatgatt aaacaagggt ttaacgcagg 300
accattactc nctttttctc cgttaagaan ctcaactccn attaaactcc ccaancgcct 360
ctca 364

<210> 465
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-E9

<400> 465

attagtacag attagggttt tattcgttat tattgtctat attactcctt gattgtggtc 60
gatgacctcg ctacttcttc tcagaacgct tccgcttctc cgcaacggat ttctcaacca 120
tcgtcatcaa gttgggtatcg tagctgggtg aattctcagt caccgtcggc gtttgttgtg 180
ttctcttgct gatagaccac agttttacga gaataatgat tctgtttctc cgggtggaggg 240
atccggcgcg gcggcgatga acgtgacatc gcctgttggt gataatagct ggcgttatga 300
agattctgat tatcggaat ggaagaatct agaagctgag attcctcgag atattgaanc 360
tanttctcct ctgcgtaaaa aaaatcttca atccgataag tatttngg 408

<210> 466

<211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-F1

 <400> 466

 ctacgcacgg attcgccgcc caaagatcgc ctgcatgagg cagcactgac agtcagtgtt 60
 gaatagcaga ccagttgacc tgtcacgaca gtaaaccggcg agttgaggac tgcattgctta 120
 gcgcatccag ttgttgtgag tcgaatgcgg gggacagcac gacaatatag tttgttgatg 180
 cttgttaagt agcattgttc ttctgggtgtt cctacagcac agcatcttgt agcagtgcatt 240
 ccaagtctta tctagccttc gtatttacag ctgtaaatag cctgcaggct gtacgggtaca 300
 ttcacttcac caatgcttaa attttaaagc ccttggtggc ccctgttgat acttcattac 360
 acaagtgggt ttttaaaagc cagccagccc caaaaaaaaa aaaaaan 407

<210> 467
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-F10

 <400> 467

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 gaattcggct cgagtggaaa acaaagagac caagcaagaa ccagcagcag cagctgagca 120
 aaagaccgtt ccgttgatcg aagatgagat cgagaggagc aaagtcggga tcatgagagc 180
 tctctgcgac cgacaagatc ctgaaactaa ggaggtggat gatctgatga taaggagggtt 240
 tctgagagcg cgtgacctgg acattgaaaa ggcttcaacg atgtttctaa attacctgac 300
 ttggaagaga agcatgctcc caaaggggca cataccagaa gcagagattg caaatgatct 360
 atcgcataac aagatgtgta tgcaagggtca tgacaagatg ggtcgacctt tcgctgttgc 420
 cattgggaac agacataacc cttccaaagg caaccctgac gaattcaagc gttttgttgt 480
 ctacacgctc naaaagattt gtgctaaaat gccn 514

<210> 468

<211> 526
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-022-Q1-B1-E3

 <400> 468

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 ctcgnaattc ggctcgagtt cccccgcagc tcgagcttag tctcggcgga ggaggcggcg 120
 gctcgtgtta tcagatcccg atgtcgcgtc ctgtctactt tttggacctg atggggatcg 180
 gtaacgtagg tcgtggtcag cctcctcctg tgacatcggc gtttagatcg ccggtggtgc 240
 atgttgcgac gaagatggct tgtggtgcc aaagcgactc tgattcgtca tcggtcgttg 300
 atttcgaagg tgggatggag aagagatctc agctgttaga tctagatctt aatttgctc 360
 ctccatcggg nacaagcctg agcttttaac ggtgtcgttt caattcgaaa gcgcaatgcg 420
 tttcttcctc ctttttgagc tgtgaaaaat tcgttttctc aatagntttc ctctcctctc 480
 tctcccaagt ccaaatttaa taccaagttt ttnagaaagg aaaaaa 526

<210> 469
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-B9

 <400> 469

 gagacagcaa caaacagaga aaatgtgtgg cgggtgctatt atttccgatt atgcccctct 60
 cgtcaccaag gccaaagggc gtaaaactcac ggctgaggaa ctctggtcag agctcgatgc 120
 ttccgccgcc gacgacttct ggggtttcta ttccacctcc aaactccatc ccaccaacca 180
 agttaacgtg aaagaggagg cagtgaagaa ggagcaggca acagagccgg ggaaacggag 240
 gaagaggaag aatgtttata gagggatagc taagcgtcca tggggaaaat gggcggctga 300
 agattcgaga tcacgaaaag ggtgttagag tttgggcttg gtacgttcaa cacgggcggg 360
 anggaacctg catggcttat gatgttgccg caaancagat tcgtggtgat aaagcaagct 420
 caacttcaa atntgc 436

<211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-F8

 <400> 472

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 accaaggcca agggccgtaa actcacggct gaggaactct ggtcagagct cgatgcttcc 120
 gccgccgacg acttctgggg tttctattcc acctccaaac tccatccac caaccaagtt 180
 aacgtgaaag aggaggcagt gaagaaggag caggcaacag agccggggaa acggaggaag 240
 aggaagaatg tttatagagg gatacgtaag cgtccatggg gaaaatgggc ggctgagatt 300
 cgagatccac gaaaagggtg tagagtttgg cttggtacgt tcaacacggc ggaagaagct 360
 gccatggctt atgatgttgc ggccaagcaa attcgtggtg ataaagncaa nctcaacttc 420
 caaattctgc accatcctcc 440

<210> 473
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-G2

 <400> 473

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 acttaacctc ggaattcggc tcgagcacag caacaaacag agaaaatgtg tggcgggtgct 120
 attatttccg attatgcccc tctcgtcacc aaggccaagg gccgtaaact cacggctgag 180
 gaactctggt cagagctcga tgcttcgcc gccgacgact tctggggttt ctattccacc 240
 tccaaactcc atcccaccaa ccaagttaac gtgaaagagg aggcagtga gaaggagcag 300
 gcaacagagc cggggaaacg gaggaagagg aagaatgttt atagagggat acgtaagcgt 360
 ccatggggaa aatgggcggc tgagattcga gatccacgaa aagggtgtag agtttggctt 420
 ggtacgttca acacggcgga ggaagctgcc atggcttatg atgttgccgc caagcagatt 480
 cgtggtgata aagccaagct caacttccca 510

<210> 474
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-G8

<400> 474

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 ctacaaatta cataagacaa aagaaaaaaa gattacataa aatgaaaact gtggcatggt 120
 cgagcctgac aaaaaaccgc aagctggacc gacacagaga gactaatata aaccataata 180
 caaatattaa catagcaaat ttaacactaa tccatattta attaatattact cttgggccag 240
 tcatgcaatt tcacaaaaac tccattgcaa ggggctgaat ttcctatttt gccctaagc 300
 tagaatcgaa tccaatcgga tctcgtagca eggatacttc tccaacgaga acgtctcggt 360
 ccaactgcggg cggtcctccc gggtcagcga acgtcaagtc cgacnacggc gaaagattca 420
 agcgggtggga ctc 433

<210> 475
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-H7

<400> 475

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 cattatgaca aatgttaaag gagttttggg gcatnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng cctctactta 180
 acttcatcac aactaccctc aagatagagg ctcatggcctt ctcgcaatgc aaacaggaac 240
 tctggnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt 300
 ttggagggttg ataaacgaac gatgcgggaa actcacaac atgcagcctt atttacatga 360
 aactgggatc ttttcagaag actcctccaa tcatggaat 399

<210> 476

<400> 478

ggtaaaagga agatacagga tctgggtttcg caggtggatg tacatgcgaa actggatcct 60
gatgttgaag acctcctttt ggaggtggca gatgacttca ttgattcggg cacatccttt 120
gcatgtagct tggctaagca tcgtaaatca tctgtattgg agcccaagga tatattactc 180
cacctagaga aaaacttgca cttgacaatt cctggattct caagtgagga taaacgtcaa 240
acaaaaactg taccaactga tctccacaag aagcgacttg caatggtgcg tgcattacta 300
agaatcctca aaaccagaga cgaatgcaag caattccaag ggaaactatg anacaagcga 360
tggtgaancc aaatgggtccc gaatcatctc ttaagaccct cc 402

<210> 479

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-01-Q1-E1-G4

<400> 479

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agacaagaag agaaggagaa agacaaagta cttggggagc agtaattata ataacatcga 120
catcaacaga ttacaacgca agtctttctt cattaaccga gcttggcaag aacattgttc 180
aaactcgaga cagttttctga gtaatacttc tcagcatctg ggctactctt tgatctcgcc 240
gcatantcca agttgtcaat ggtttggaaa agctttgcgg tgagatcttt aaggctttgc 300
ttctcttctt taggcttaac ggagataacn gtgttgagat ngtaacggag gtacgatgcc 360
ccttaaaccg ggnattcggt ccggaacaaa anggnccaaa gccttttttg nccgataaa 419

<210> 480

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-05-Q1-B1-A5

<400> 480

gcataancan aaacggcccn ggcncgcgta cataagaacg gaatttgatt gcgagtgaga 60

tatttatgcc aagccagcca gacgcagacg cgccgagaca gaacttaatg ggcccgctaa 120
cagcgcgatt tgctgggtgac ccaatgcgac cagatgctcc acgcccagtc gcgtaccgtc 180
ttcatggggag aaaataatac tgttgatggg tgtctgggtca gagacatcaa gaaataacgc 240
cggaacatta gtgcaggcag cttccacagc aatggcatcc tggatcatcca gcggatagtt 300
aatgatcagc ccaactgaccc gttgcgcgag aagattgtgc accgccgctt tacagggctt 360
cgacgccgct tcgtttctaac atccgacacc aacaacgctg gcaccaatt tgatnnggcg 420
cgaagantta atccgcc 437

<210> 481
<211> 526
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B1-B4
<400> 481

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ctcggaattc ggctcgaggg tattttgata aactgggaan ttccanggn acaaattgag 120
gctgtgacca atgacaactt gattatcaat gtatacaaca ccttggacna acctttcctc 180
ttatcttggg atggagtgtc gcagaggaga aactcgtggc aggatggagt gtatggtacc 240
aattgtccaa ttctaccaag ggcataactt cacttatgtt cttcaagtga aggatcagat 300
atgtagctag ttctactacc cttcncttgc ttttcacaag gcagcangga ngttatggtg 360
gattcaaaat tgctaagcgn cccggggaat ccgagtgcct tttcctacgc ccagcaggag 420
atttcacata ttgncaggaa aactgggtac aangagaaaa tcacncagga ttttaagggc 480
catttttggg atgntgnaat tgacctttcc cttccctnaa ggggaa 526

<210> 482
<211> 405
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-040-Q1-E1-B10
<400> 482

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnccaa aagttcantg ctgcaacatt gaaacgaata 120
 cacanaagga gaacagatta caataatgat gtaagaaaga tatataggtc ntaggttcnc 180
 ttganagggt caaagttgga nacnccgacg acgacaccaa tgatgacagt gaggacnagg 240
 ccaccanaan caatgctgag caanaaattc ttgagggaag gagaaattcc anaaccaagc 300
 agcttcagct atctccggaa tcaccatcga agcagtaaga agcagccgcg ggaaataccg 360
 ggtcaaagcc ttgtccanct tgaggggcct taactnaaac ccccg 405

<210> 483
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-D8
 <400> 483

tttttttttt ttttttgact tttatccaaa agttcattgc tgcaacattg aaacgaatac 60
 acagaaggag aacagattac aataatgatg taagaaagat atataggctt taggttctct 120
 tgacaggggc aaagttggag acgccgacga cgacaccaat gatgacagtg aggacgaggc 180
 caccagaagc aatgctgagc aagaaattct tgagggaagg agagattcca gaaccagcag 240
 cttcagctat ctccggaatc accatcgaag cagtaagagc agccgaggag ataccgggtca 300
 aagccttgct catccttgaa gggccttaac ttgaaacctc ctggtgctcc tgctccaag 360
 tttgcaaacc aaaagccctt gggatggntt tcagaaggta atgggcttaa aggaaaagga 420
 gaacgaaacg gggctctggg ttnaagttgg tgttgaccaa atgacaa 467

<210> 484
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-041-Q1-E1-D10
 <400> 484

tttttttttt ttatccaaaa gttcattgct gcaacattga aacgaatata cagaaggaga 60
 acagattaca ataatgatgt aagaaagata tataggctctt aggttctctt gacaggggtca 120

aagttggaga cgccgacgac gacaccaatg atgacagtga ggacgaggcc accagaagca 180
atgctgagca agaaattctt gagggaagga gagattccag aaccagcagc ttcagctatc 240
tccggaatca ccatcgaagc agtaagagca gccgcggaga taccggtcaa agccttgtcc 300
atcttgaggg ccttaacttg aagcctctgt gctctgctc cagttgcaac caaagccttg 360
gatggtttca gaggtaatgg cttaaggaaa ggagac 396

<210> 485
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-021-Q1-B1-G10
<400> 485

cggaaacagt gaggtcagag tatgatttct tcgacacgag gaagcaaaag cagaagcagt 60
tcgaatcaat gagaaatcag gtggaggaag agacggagac ggagagagag gaagtacagt 120
gtagtgaatg ggaggatcac gatcattaca gcaccacgag ctctcggac gcagcggagg 180
aagaggaaga agatgatgat agagaatcaa tttccgaggt cgggacacgc tccgagtttg 240
gatctacggt gagaagtaat tcgatgagac ggcacatca acaaccttca ccaatgccgc 300
aagtatacgg cggcgctgaa caaagtaa atgataaagc agatgatgct acgatatctt 360
ctggtancta tagangcgga ggagatatcg ctgacatgaa gatngtaatt t 411

<210> 486
<211> 398
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-E8
<400> 486

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnanc caaaagttca ttgctgcaac attgaaacga atacacagaa ggagaacaga 120
ttacaataat gatgtaagaa agatatatag gtcttaggtt cncttgacag ggtcaaagtt 180
ggagacgccg acgacgacac caatgatgac agtgaggacg aggccaccan aagcaatgct 240

gagcaagaaa ttcttgaggg aaggagagat tccagaacca gcagcttcag ctatctccgg 300
aatcaccatc gaagcagtaa gagcagccgc ggagataccg gtcaaagcct tgtccatctt 360
gangggcctt aacttgaanc ctctgtgctc ctgcctcc 398

<210> 487
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-041-Q1-E1-G1

<400> 487

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ctgtttcaac aagaccaagt tctgaacaat tactcagcta gtagttttat catgcattca 120
aaatcttctc ataagcagaa aaacgtcata gatatcaaaa ctactaaagc aaaacatctg 180
cgaacggatg aatgattcgt gagatctcaa tctcacttct tcctgaaaga gcatccctct 240
tgtagcctcg ctttaccacc ggtgggctgg cacagaactg tctgacagtt tccacatacc 300
acaacagttt gagaatggct gaacacagtg gttatgttga agcatccctg aacttaaca 360
tccatgaaga aggagttggg agattgcacg agacgcttga 400

<210> 488
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-G11

<400> 488

tgaatcaaag acagactttg acttttcttt gtgatcgaag atatggcgga tgctttcaca 60
gatgaacaga tccaagagtt ttacgaagcc ttctgtctca tagacaaaga ttccgatggg 120
ttcatcacga aggagaagct aacgaaagtg atgaagtcga tggggaagaa tccaaaggcg 180
gaacaactgc aacagatgat gagcgatgtt gacatctttg gcaacggtgg catcactttt 240
gatgatttct tgtatattat ggctcaaac acttctcagg aatcagcatc ggatgagtta 300
attgaggtat tcagagtgtt cgacagagac ggagatggtc tcatatctca acttgagttg 360

ggaaaaagga atgaaggnc tggggataag ataac

395

<210> 489
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-G4

<400> 489

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atcaatatgt ctacatggcg aagctcgccg agcaagccga gcgttacgaa gagatgggtc 120
aattcatgga acagctcgta agtggagcta caccggccg tgagctgacc gtagaagaga 180
ggaatcttct ctcggtcgcg tataagaacg tgattggatc tcttcgtgcg gcatggagaa 240
tcgtgtcttc gattgagcaa aaggaagaga gcaggaagaa cgaagaacac gtgtcgcttg 300
ttaaggatta cagatctaaa gttgagactg agctttcttc gatctgttct gggattctca 360
ggttacttga ttgcgcatcta attccttcag ctactgcca tgagtctaan gttttttacc 420
tga 423

<210> 490
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-E1-C10

<400> 490

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cgcccgccct nttttttttt tttttactca tacgacgcaa tgacatcatc aagcatccac 120
atatccacct cggaacgga ctcatcaagc tgactcggtt gtcgccggt gttaccgtcc 180
agggcaagga acgattccaa gctcgatata tgctgtttca gatcataatc cggctcaaata 240
ccgtaactca ggttctgaaa ctctgcccc tttccaaatc ctatacactc caccgggaaa 300
ctcggtgac ttaactcgct ctactctga gagacaacgc agaccttctt cgccggaggc 360
tgatcggttg atcgtggcga tgacggngga ggagtataat taggaggang aggatgggtgc 420

aaatctggga agttgagctt ggctttatca canggnnttg cttgggcgca anatcataag 480
cc 482

<210> 491
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-E4

<400> 491

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atctgctgtg gataacttct agctcacggg tcctancgaa ggtctcggga tcggcggaatn 120
naccggcagt gtcccacccg taatcacccg ggaactctcc agtgaggtag ctcggaggct 180
caccgganaa tggncccaag tacttgacta ggaacggagt gaaattcggga taancggttt 240
ggttcaangc tggttcacia atcttcancg acggangatt ggnctacttg ggcaaccccg 300
aagcttggtc cangctcann agcatcttaa ccatttgggc tacncaagtn tacctcaagg 360
gganctgttn aggggctaca aangtcccc ggganatggt ccaatnggga aaaagcaaaa 420
ggg 423

<210> 492
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-E8

<400> 492

ctcgagccaa gaagccaaaa cgtcaagatg ctaacaaccc ttgtagtcta accactccca 60
agatttaaga attttcttac ttttgttcta gttttgttga gaaaaagatg catccgatct 120
tcgatgccat ctttcaaaat gaccttcag cttttcttgg tttggtgga gcgagagaat 180
cttccctgga ggagagaagc gaggaacaga acaccaacaa cacggttttg cacgtagctg 240
caaagctcgg tcaccgagaa ntggtcgcca agattattga gctccgacct tcccttctct 300
cttcccgtaa cgcgtacgga gacacacctt tgcaacttgc tgctcttctt ggagacgtaa 360

acatagttat gcaaattgtna agacactgga ttggaactat attccgcacg 410

<210> 493
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-F1

<400> 493

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caaaattgga gaaaccaaca ggcaagaaac agacagcgac ggttggttggtg ggagtgttgg 120
cgggtgggatg gctggcgata gagctcgtgt ttaagccatt gttcaagaag ctgagctcct 180
ccaaggacaa atccgattcc gacgatgcca ccgtccctcc cccgtcgggc gcctgaatat 240
ggtgagtggag aatttaacaa agcctctgcg ggagacacgt gtggtgaagc tcattttatt 300
agcaaatacct ggtgtttcct tttgtaataa ccgttcggga cttttacgta ctgctttgat 360
gatgtccctt ttttaaatta accccccctt tnaaattaaa atcccgacaa ggntaataa 419

<210> 494
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-18-Q1-B1-F11

<400> 494

ctcgagaaaa cgtacttctt cttcaaaacg cgaaaccaca ctgtaagtta cgtacaccac 60
cacctatcct caccattcat catcgacacg tggctggttt aactcaaate aacggaagaa 120
gatgacgtct gacggagcaa cgtcgacgac agctgcagct gcagcagcag cgatggcgac 180
gaggaggaaa ccgtcgtgga gagagaggga gaacaatcgg agaagagagc ggcgagagaag 240
agctgttgcg gcgaagatct atactggtct tagagctcaa ggtaactaca atcttccaaa 300
acattgtgac aacaatgagg ttcttaagga tccttggtct gaagctgggtt gggttgttga 360
acaagacggg actacttate gcaagggaca caagcctcta cctggtgac 409

<210> 495
<211> 388

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-F6

 <400> 495

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 agcttcttcc ggtgactggc gataacacna gagagccttc gccttctcca agctncatac 120
 tcttccgacg ataaagatta gaagacatga anaacggtaa ccggaaaaca acgccggaaa 180
 caganaagtc tcaccggaga aagttatcag agaaagcgat gtcgtttcac ggagaggaa 240
 caacgccgtt atcaaatcca ggcgaagctt cgaagaccga aaacgttacc ggagttattc 300
 tccaccggtc aaaagcatca ccgtncgga gacggtttca cttccgccac gtttgacgaa 360
 acttttactt aacgtgacgg tacaanga 388

<210> 496
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-G1

 <400> 496

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 tanggaggtc gtcataacca agccaaacac tttcctccan gaaatgatgc aaggcaccac 180
 caagcctctg aaactgcaca gaagggctct ccagttgtga agttgcagcc tattgaagta 240
 cctattatcc cttttagtga actcaaagaa acaactgatg attttggatc gaattctctc 300
 atcgggtgaag gctcttatgg aagagtatac tacgggggtat taaacaatga tctgccttca 360
 gcgattaaaa agttggattc taacaaacag ncctgacaat gaaatccntg ctcaggt 417

<210> 497
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABL1-18-Q1-B1-G5

<400> 497

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aatgagttg ctttgggtgt tgtggggagg atgatgatat gcataaaact gctgattatg 120
gaggtcgtca taaccaagcc aaacactttc ctccaggaaa tgatgcaagg caccaccaag 180
cctctgaaac tgcacagaag ggtcctccag ttgtgaagtt gcagcctatt gaagtaccta 240
ttatcccttt tagtgaactc aaagaancaa ctgatgattt tggatcgaat tctctcatcg 300
gtgaaggctc ttatggaaag agtatactac ggggtattaa aacaatgatc tgccttcaag 360
cgattaaaaa gttggattct aacaaacagn ctgacaatga attccttgct cangt 415

<210> 498

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-18-Q1-B1-G6

<400> 498

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atggctcgta ctaagcaaac agctcgtaag tctactggag gaaaggctcc taagaagcag 120
cttgctacaa aggctgcacg taagtctgca ccaaccactg gaggagtcaa gaagcccat 180
cgttaccgtc caggaactgt tgcactacgt gaaattcgta agtaccagan gagtaccgan 240
ttgctgatna ngaagctccc tttccaaaag ntaattcgtg aaaantgncc aagatttcaa 300
gactgacttg cgtttccaaa nccaatgctg ttgccttгна ctccaaggan ggctgctgaa 360
agcaaaaccn tgtgggtcnc cnttgaggga aactaacctc tgggccatcc aagccaaa 418

<210> 499

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-18-Q1-B1-G7

<400> 499

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 tcacggtggc gtcgacgtcc gggcaacaac aagctctctc gagaagaaag cnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntgttcga gtcctgcgg 180
 cgaagaaacc gagtccggaa taccattttt ggcagcagaa ctggtttatc ggtctgctat 240
 tcgtgatggc tttaggattc ttctgtctcg ctatcttctt ttacctaagt ctcgatcctg 300
 attccgggta cacgtctgcc tccgccgctg cttctggtaa agaaggtgtc gagattactt 360
 atggaagtgc gatnaagttg atgcacgaga aaactaaatt tcgattacan tc 412

<210> 500
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-G8
 <400> 500

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 aggtcaaaat gtcaatggag aagccacctt tggcctccgg tttagctcga acacgatcgg 120
 agcagctata tgagacgggt gcagcagaca taaggtcacc tcacgggtcc atggacgcta 180
 atggtgtgcc tgcgacggct ccagcagccg ttggaggang aggaacgttg tcgaggaaat 240
 caagccngan gttgatgggg gatgtctccg gggaaggagt aacngcgccg ggacacacat 300
 aagggaatcc aaggaccgct caacntaaac tccaagctaa aaggaaatta antaaccggc 360
 gcaacntttg agcccttgcg tccaanegca tccgctccgg cctttcaatt ttcccttcaa 420
 cngggg 426

<210> 501
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-G9
 <400> 501

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cctggaagaa caccgaccag tgcaacacct tctggaagga cacctgctct gaagaagcca 180
aaggcaaacg aaccaaataa aagagatatg acgtatgagg agaagcagaa gcttagtggc 240
catttgcaga acttgctcc agataaacta gatgcaattg taaaaatcgt taacaagagg 300
aatactgcgg tgaagctacg ggatgaagaa attgaagttg atattgatag tgttgattca 360
gagaacctgt ggganttgga caaatgtgta ncaactataa aaagggct 408

<210> 502
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-H2
<400> 502

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acggaggatt ggactacttg ggcaaccgga gcttgggtcca cgctcagagc atcttagcca 180
tttgggctac tcaagttatc ctcatgggag ctgttgaggg gctacagagt cncggagat 240
gggtccattg ggagaagcan aggacttgct ttaccaggt gggagcttcc acccattggg 300
cctcnctact gaccccgag ctttcgcgga gttnaaagg gaaagaactc aaagaacggg 360
aaaggttggc taatgttccc caangttttg ggattccttc cttcaaggcc aattgtnaac 420
cgggaaaagg gga 433

<210> 503
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-H7
<400> 503

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tcagagatcc accatctctt tccgtcgaca gggctcttcg ggtatagtct gggacgatcg 120

tctcatcgcc gagctaagcc aacaagcggc caacgaccgg aaaggcgaga ctctacanca 180
 ggacgaacan gccaaagctga ttacgtcgga agtacaggat cagacaacca aacctatcgc 240
 cggagaagga ctcaaacctga tcagaactga cggaggtatg gagaggagtc gattcaacgg 300
 aggangagcc atccgccacc atcgaaacac anggagagtg tctccggcgg tggacccgcc 360
 gtcgccgaaa ctgtcggcgt ttgggtgctg ctctgccttc gggaaaaaac aacc 414

<210> 504
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-04-Q1-B1-A9
 <400> 504

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 agattactaa aaacagagga aaaacagagt aaagattact caagagtcaa gagctggттt 120
 gatcttaatg ggaaacatct gtcttggtc tggatcttcc actgttaacc acgaacctgt 180
 ctccacaaaa cccctcccag tgagacgtgt gcagacccca gagaataaaa agtttctctc 240
 gccgctggtg gcgatgccgg cgttacatcc cacgtttcca ctgccgaaa caggacataa 300
 actgagaccc gccgctaccc cgctcgtga aaaaccgcaa cataggacga cgagattcgt 360
 cgagaaccac tcgtgaaaaa acgcaggaga aa 392

<210> 505
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-04-Q1-B1-B9
 <400> 505

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 ctctcttatt aggttcagtt cnntttcgat tcttcgtgtg gatcgctgtc ggtagatttc 180
 cgatttcntt aggttctgcn cgaaatcgtg gtttaagtgt ttattatcat ngattcagaa 240
 aacggtgggt aaactttag cggaagatga ngcggtgcc ggtggnnac cggcggcgag 300

gtagaangag attgtcgaag ttgggatatg gtttctcctt ggntctttcn ctgnncctgg 360
 ttttaantttct cgtcatcggt caagcattnt caccatnaag aaggattcng cccaagntt 420
 tttacttgag gagaggacac tngga 445

<210> 506
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-04-Q1-B1-C12
 <400> 506

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 atcattcctg ttaagaccaa gcttggtgac ccgaagactg gtgatgagaa acccattaca 180
 gtttctgttg atgatggtat ccgaccaacc acaactcttg cttctcttgg gaagctgaag 240
 ccagtgttta agaaggatgg caccactact gctggaaatt ccagccaagt aagtgatggt 300
 gcaggagcgg ttctcctaata gaagagaagt gttgcaatgc aaaaaggact tcccgttctt 360
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<210> 507
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-04-Q1-B1-D12
 <400> 507

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 actgtttttg ggtctgcttc aattgcagtg gaagagatgg tgttcttgag ttggggccgt 180
 ccatcttccg agcaacagca acaagtcac aacaaaacag gaaccttcaa ttatgacaac 240
 aagtacagag gagtttcgtc taggtctatt gctaaactta aggaagattc agagattgat 300
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atgaagaang gnaaaaaagc tcctccaana attgggaagc 400

<210> 508
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-04-Q1-B1-E10

<400> 508

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gatttgcaat tcgatcttct atgccttcat tttgtggagc taatctgtgc tgggaactgc 120
accgaagctc tcaaatttgg taagacaaga ttggctcctt ttgggaaggt caaaaaatat 180
gtagaaaagc ttgaagacgt aatggcattg ctgccttatg aagaccctga gaaatcccca 240
atgttccatc ttttgagctc tgaataccgc caacaagttg ctgataatct gaaccgcaca 300
attcttgaac acacaaacca cccgagctac acaccaatgg aaaggatcat acaacaggtg 360
acagttgtga gacaatactt gactgaggag aatggcaaag atgcgtttcc cccaatcctc 420
tccgaaagga tcccccaaaa gggntaaaat tgca 454

<210> 509
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-04-Q1-B1-E9

<400> 509

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aatttgccct catttccctc tgattagatc cttaccccg acaaagacac caaaattctt 120
gagggcgaga gagctgattg atgtctttgg tatctggagc cagggacatg gggttnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnggatg gagatgatga gaactcctcc tccagaacaa 240
gagccgacga cgatgctctt agtcgacaag atgagcgaat cttctctttg tgctaccgag 300
gaggaagaag acgacgattc caaattgcaa ttgggtcctc agtacactat caaagaacat 360
ctccgagaaa gncaaaggat gatnagaatt ccgaagga 398

<210> 512
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-A9

<400> 512

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 aagggtggatg gaaaagtagg tgggtcttgt ctgattggaa aagaaacgaa ggcaaagctg 180
 gaacctttaa gcacactgcc ggtaaatggc ccggcgatcc tgacaataaa ggtattcaga 240
 cttataatga tgccaagcat tatgcgattt ctgcaaagat tcttgagttt agcaacaaaa 300
 accggactcn tgttgtccaa gtactcaatc aaagaattga acaagacaat tgaangtggg 360
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 gataccccat a 431

<210> 513
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-C11

<400> 513

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 cttctctgtc tttcttttca agttgggtgtc tctgaggna actacaacgc agttactaca 180
 aggtactcgg attctcctcg atgcgccaat ggatcttctg caagtccacc aacaagacac 240
 tgtccaaggg ggcgtccccg tcctcctaca ccgagagtag cgggtgcactc taactcaacc 300
 aaaggaaaag gcccataagt gatgaaatta ttttatgtct caacactatg atttttgtat 360
 ttaagtttga tgtaaaattt acagggcaaa gagattcaat ctttgtaaatt cagatgatta 420
 cattnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngggcg 480
 gccgccc 487

<210> 514
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-D10

<400> 514

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 actcggcgcc gccactctca aacctcacgc aagaagaact caagaaaatc gccgcttata 180
 aagccgtcga attcgtcgaa tctggaatgg ttatcggctc cggcactggc tccaccgcga 240
 aacacgccgt ggctcgtatc agcgaagctt tccgagaagg aaaactcaag gatataatcg 300
 gaatccctac ttcaaccaca acgcatgagc aagcgggtgc tctanggata ccattatccg 360
 atntagattc gcacccgggtg gtggatctat caatcgatgg cgccgacgaa gtcgatcggc 420
 tcttaatctg gtgaaaggac nccgcggatt gttantgaaa aaaaa 465

<210> 515
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-D12

<400> 515

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 aattcggctc gagcaaagtc tcatttctcg ttaatttcca ttttcgttat ctctctctct 120
 cgccgatcaa accctaggtg tatcaattcg ttacagattc cggcgggttg tctcactgtc 180
 atgtaggttt gattcatctt ctcttctgga tcttgagtga cgaagagaga agagatctga 240
 gtttttctga gagagagatt tttctccctc gttgaccga tcagtttttt ttcgtcgtcg 300
 gggattttca aatttttttt gagggatcgg ttttgatttg ttacgtagat ggccgattct 360
 tcacccgatt cgtgtttcaa aggaggcaaa tttagtgtc caaggtttcg atttcatcca 420
 actgatgaag agcttgtgat gtattaattg aagaggaaga tttgtaggaa gaggcttaga 480

<210> 516
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-D9

<400> 516

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 cctagaaagg ctactccac tgagatctcc tggatcgatc tcttctccaa ttccatccct 180
 tctttcaagg aacgtgcaga gagcgataca accgttcag atgctcctgt tcgagctgaa 240
 aagtttgcca aaaggatgc ggagattctt gaggacctga agaaagattc ggagagccat 300
 ggtggtccac cggattgcat tcttctctgc agaattcgtg aagctgatac taaagagaat 360
 tgggatttaa ggacatattt aagaaagtta anggatgagg agaatgcaaa gggnaatttc 420
 acta 424

<210> 517
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-E9

<400> 517

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 agtaaatacgg attacgtcaa aaagccaatc cccaaagaag gactggagaa gatttggaag 180
 acaatgttga aattcaacaa tattgtgtgg ctgcacttca acccttacgg tggaatgatg 240
 gatcggattc cgtcaaacgc cacagcgttt cctcaccgga aaggaaactt gttcaagggt 300
 caatacnata ccacatgggt ggacccaaac gccacagaga gtaacctgag tattatgaag 360
 gagtcctac gangtttcaa naaccgtacg tgtcaagtaa cccgaaaaaa ggccttcntt 420

aa

422

<210> 518
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-06-Q1-B1-F11

<400> 518

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atcgcagcca tggcggaaaa agctgtcact atcaggacca gaaacttcat gaccaacagg 120
cttctcgcca gaaagcaatt cgttattgat gttcttcata ctggaagagc caatgtttca 180
aaggctgagc ttaaggagaa attggcgang atgtatgagg ttaaggaccc aaatgctatc 240
ttctgtttca agttcaaaac tcactttgga gggtggtaaa tcctcctgga tatggnttga 300
tcaatgatac tgggtcaagaa cgcctaagaa attttgagnc caannttaan acttatcaag 360
ggattgggnt tgacaacaaa gattnggaaa tccaaggga ccagnttaan ggggaaggga 420
anaacaaggc 430

<210> 519
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-06-Q1-B1-F12

<400> 519

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aggctgcacg taagtctgca ccaaccactg gaggagtcaa gaagccccat cgttaccgtc 180
cangaactgt tgcactacgt gaaattcgta agtaccaaga agagtacccg agttgctgat 240
caggaagctc cttttccaaa ggntagtctg tgagattgcc caagatttca agactgactt 300
gcgtttccaa anccatgctg tgcttgact ccaagaagct gctgaaacat aacttggtgg 360
tcccccttng agggaacta anctctgngc caatccatgc caaagcgtgt ngaccaataa 420

430

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ttggtttctt	aggggttcta	cagtatctcc	cggaacgaca	acgtttgact	ccgtcggagt	120
tcgatgagag	ctccggcgag	gaagagttac	atattccggc	gtttgtgaac	cgtgttcccg	180
ccaaggttct	gccgccaggt	gtgttcgata	aactctctta	cgggtctctg	gtcaaaatcg	240
gcgagcgatt	acatgaagcc	aagggtatct	tggttaattc	atttacccaa	gtggagcctt	300
atgctgctga	acatctttct	caaggacgaa	gattaccctc	acgtgtatcc	tgttggggcc	360
ggttctcaac	ttaacggggc	cgtacaaatc	cgggtctaac	ttcggcccaa	tataaaagag	420

a

421

<210> 522
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-H10

 <400> 522

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 tgatgttcca tttggagttt tgctctctgg tggctttgat tcttccttg ttgcctccat 180
 cactgcacgt cacttggccg gtactaaggc ggctaagcaa tggggtcctc agctccattc 240
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 tttggggacg gtgcaccacg agttccactt ctcggtgcaa gacgggattg atgccataga 360
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<210> 523
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A1

 <400> 523

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 gatcgacagg aaagcttggc catatgttca aaacgatctt cgttccaagg cttcttatct 180
 tcgttatgat cttaacacaa tcatttcctc caaacccaag gatgagaaga agtcactcaa 240
 ggatctcacc accaagctct tcgataccat cgacaatctg gattatgcgg cgaagaagaa 300
 gagtccttcg caggctgaga agtactaagc tgagacagtc tccngcnttg aacgaaattc 360
 ctgccaaacc tggggtaaan catttaantt ctgcattttt cctgttaaatt aatatacct 418

<210> 524

<211> 469
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A10

 <400> 524

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 ttagtcgcct tcgtgctgac gtggacggtg ttctacctta ccaacatgaa gaagaaggcg 180
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 gtcggggctg gtgtaggtgg ttcggnctc gcatatgctc ttgctaagtg tgcgcctgna 300
 agaaggaacg gtgaagtctt tactagaaga aaaaggagtg gtcaaangga gtgacataca 360
 agaataatga angcgaanaa ncaacagcct tgggcacctc tcactgtggn aagcgacggt 420
 tgctactcaa accnttcgtc cgggtctctta atgaangaca acaattgct 469

<210> 525
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A12

 <400> 525

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 agtcggaaaag aaaccctaaa gaagaggatt atgggtgctg tatcgatgga gtcgcttcct 120
 ttaggtttca gattcagacc taccgatgaa gagctcgtca atcactacct ccgtctcaag 180
 atcaacggac gtcactccga tgtccgtgct atccctgata tcgatgtctg caaatgggaa 240
 ccttgggatc ttctgtctct ctcggtgatt aagacggatg atccagagtg gttctttttc 300
 tgcctcgtg atcggaataa ccctaattgg catcgctcta acagagcaac tgactctggc 360
 tattggnaag ctactgggta aagattcgta ncatcaaagt ctaagaaaga ctttaa 416

<210> 526
 <211> 406
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A2
 <400> 526

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tgatgttgcg actggttgagt tgagggaagg agatagtatt ttgatcaatc atacgactgg  180
gaaagagtac aagcttaagc cgattggtga tgctggacca gtgattgatg ctggtggtat  240
atttgcttat gctaggaaag ctggaatgat tccatctgct gctgcttgat tttgacttca  300
agtgtcaatg gaaattcaat gagagtcacn tcaagggttc ttgattcaat aatnanaata  360
agttaatggt tccaaaaacc taataaccta atccaagttt tatgaa                    406
  
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<210> 527
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A4
 <400> 527

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngtcag accctggatc caaagataac  180
gacattaaca acatccttat cgggtctttat ggatcccaat atagatacaa ggaaatgcgg  240
cagatcataa ctcccgtagg caggaagcaa ctggaaccga tgttacaaag ctaccgcaag  300
gttggtggcg ctgagctttc aaanagaatg gtgtnnnnnn nnnnnnnnnn nnnnnnnnnn  360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnna              408
  
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<210> 528
 <211> 363
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A6

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<210> 531
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 531

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 cgagcatttt ttaacaggaa atccaagtgg gaatgggacc tgcaggagag ctgcgttacc 120
 cttcgtaccc cgagcaagaa gggacatgga agttcccagg gattggagcc ttccagtgct 180
 atgataagta ctcgttaagc agcttgaaag cagcagctga gacttatggg aagccagagt 240
 ggggcagtac tggcccaacc gatgctggtc actacaataa ctggccagaa gacacccagt 300
 tcttcaaaaa agaaggtggt ggttggaact cagagtatgg agatttcttc ctctcatggt 360
 actcccagat gctgttgat nacggcgaag cggattctaa cctcaagcca aaatcaatat 420
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<210> 532
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-B12
 <400> 532

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 aaccacgatg gctcaaaatg gttcgaatac tactgtgaag ctgataggga catgggcaag 180
 cccattcgct ataagggtc aagtggctct acacctcaag tcagtagagc acgagtatgt 240
 cgaagaaacc gatgttctga aaggaaagag cgatcttctt attaaatcca accctataca 300
 caagaaagtc cctgtcctca tccatggtga tgtatcaatc tgtgaatctc tcaacatcgt 360

ccaatacgtc gatgaatctt ggccgtctga tctttccatc ctcccaacac ttccctcggg 420
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<210> 533
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 533

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caatcagcta tcatcaaagc tggtttagcg actcaggtga aagtcacagt gcctcttaac 180
gcagatgtgt accaaagtgc gtctaactc ccttcggatg gagatttcag gcctgaaatc 240
cgtgatctca tggtgaacat tgtaagttt ctgagtata acggagcacc attcactanc 300
aacatttacc ctttcatcag tctctacaac gaccgaant tccctgtgga gtttgcttct 360
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<210> 534
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-09-Q1-B1-B8

<400> 534

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agcgcaacgc cgagcttgat tcggagaagc gtttataccc cggaggcaag ttctttgacc 180
cgctaggttt agcggctgac ccggagaaga ctgctcaact tcagtttagct gagatcaagc 240
atgcacgtct tgcatgggc gccttcttgg gattcgcggt tcaagcggct gcaacaggta 300
aaggtccact caacaattgg gctactcacc tcaatgatca actccaaaac caacatcatc 360
nataaccttc tctcaacct taanatcaat aacaatgtga naatcc 406

<210> 535
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-B9

 <400> 535

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 gaagatttta ccagtcagag gtatatatat atagagagag agttatggat ttggatcaat 180
 ggatttccaa ggtaaagat ggtcagcatc tctccgaaga cgagcttcag cttctctgcg 240
 aatacgtgaa agagattctg attgaggagt caaacgtaca gcctgtaaac aagtccagtc 300
 accgtatgtg gtgatatcca tggncagttt catgatctta agaagcnttt tcagaccgga 360
 ggtcatgttc ccgacaacaa ttacatttta atgggggact cgtggataaa ngttac 416

<210> 536
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-C4

 <400> 536

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 agtatattaa cgtattcaag aaacagcact tacttcacca atctcaaaac acttttgtcc 180
 tctctctctt cccggaacgc ttcatactct accggattcc aaactgccac ggcgggacaa 240
 gctcccgacc gtgtcaccgg gacttttctt ttgtcgcgga gacgtctcac aaagaagttt 300
 gccgtaactg cgtcgccttt tcccgtaaaa gnagacttaa aatgggngtc cgtanaacaa 360
 aagaagtcng tggccttaat acgangagtt gt 392

<210> 537
 <211> 422

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-C6

 <400> 537

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 tgagaagttt aatttanatt aaacaacaaa aagatgggtt actggaattc naaggttggt 180
 ccaaaattca agaagttatt cgacgaaaaa tagtgctana gaaggctgct gctgctgaag 240
 ctaccaagac ctttgatgaa tctaaggaaa caatcnacaa ngaaattgan gagaaaaaag 300
 acagaactcc aacaaaaagg gtcgttgga auctatgaaa ncaacntctg gcagaaaagtc 360
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 <212> DNA
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 <223> Clone ID: ARABLI-10-Q1-B1-G12

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 gtgtcctttt cgggtgtttct ccgacaaaaa gagtctcttc cttcactgtc cgantgttta 180
 aatccgan an gacaacattc caagtagntc aaccaatcaa nngtgatcca ttcacggaa 240
 gtttggaac tcnngtgaca tcaagcccat tgatcgctg gtancnttcc aacctccctg 300
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 tcttcataag tgggcccatt cgtcaaaagc tggc 394

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<223> unsure at all n locations
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<400> 539

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ncatcacaaa gctcgggagt ctactcgtaa agctacacaa aggtccttca agttggcttt 180
gtcttcatcc tcgaccagac cgaaccagca acggcggacg aatcaagctc gtcagatccg 240
acggttcttt acaagtctac gatcgtcccg tagtagtctc agagctaaca aaagacttcc 300
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ctgaaaccga aacacttaag ctangtctca a 391
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 <212> DNA
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<223> unsure at all n locations
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<400> 540

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gagacgcgaa gggttggtgg aattggaagc ggaaatggta cggtcatact ctgttaaaag 180
cgccaagcaa cagcaacctc caccgccgca gcagcaagaa caacagcaag gaggccaaga 240
tgtgaactgc ttaccggatt ctccgatgtt agatacatcc tcttctttcg gctccacttc 300
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 <213> Arabidopsis thaliana

<223> unsure at all n locations
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cgtttaaacc atcgattcca aaaagcttgt tacttgacgg gaagcatacc attgaatcgc 180
attttatcct cgттаатсac caaatgaaac agatcagatc agctctagcc attgcatctc 240
ttcttaatcg tacactgggtg atgccaccaa tatgggtgca ggtagatag gctttggggtt 300
tgggcatcct gggtagctct caaggattta agaccgaca acctttcatc tgcccactga 360
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<210> 542

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-11-Q1-B1-A10

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tgacattctt gtctttaaca ctggacattg gtgggttcat ggaaagaccg ccagagggtgc 180
aggaaaaact actacaaaga aggtgactac atctaccga aatttgatgc tactgaagca 240
tacagaaggc cgttgaagac ttgggcaaaa tggatcgatc agaattgtgaa tcccaaaaag 300
cagcttgatc tttatcgcg atactcctct gccattttc ggggangtga gtgggactcg 360
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<210> 543

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 543

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 gtagcgttgg ttcgagtgat gctcttattg gccatcctgg tttgaagcct atgcgccatc 180
 cctactctct ctcggatggc caaagcgtat ttcggccagg aaaagttact catgcactta 240
 acgatgatgc cttagcaciaa gcgttgatgg atagtaagta tccaaccgag ggactgggtga 300
 actatgaaga gtggacaata gatctgagga aactacatat gggtcctgct tttgctcaaa 360
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<210> 544
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 <212> DNA
 <213> Arabidopsis thaliana
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 aagcgcaagt gtgtataatg acttaaagag agctcctgtt actccgagtg atagatagtc 180
 tacaattata tcttactctg agtgaaagca atggcgtagc gtgggtccgtc catgaatcca 240
 ccggctttga gtggagctgt tcccgggtct gctaacttga agcaagtga attggagaga 300
 gaaagcgagc tcaggatcga agtctctgaa gagcctctca aactccgtgt gggtaacggg 360
 aacgctgaaa tttttggctc cgaactgcct cctgaaatat ggcgtacctt 410

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 <212> DNA
 <213> Arabidopsis thaliana
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agaaactctt tcttagctgc ttctactggt tacgtttcaa acgaattcaa cttcttaaac 180
 acttctcttc ttaatcgaag aagcttctgt tttgcagaag gagatcgatc cagctttgta 240
 gtgttgaaat cggaagcaga gttcaacagt gcattgagta aagctcgaga tggatctttg 300
 ccatcggttt tctatttcac tgccgcatgg tgtggacctt gcttatctct cctgtgatat 360
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<210> 546
 <211> 452
 <212> DNA
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 aagaatcctc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn acaacactag aggaatgggt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
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<210> 547
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 <212> DNA
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 tgctcccttt gtcaaagttc ttgaccagaa attcgggtatc ataaagggtg caatgacgac 180

tactcactct tacaccggtg accagaggtt gctagacgcg agtcaccgtg atctaaggag 240
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 ctcttgtgct ccctaaactc aaagggaaac tcaacgggga tttgctcccc gtgttacaac 360
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<210> 548
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-11-Q1-B1-B2
 <400> 548

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 tttctctacc ctttcttacc ctgaaaaaac agggacacct tgcgtccttg aaccgataac 180
 catctttcgg ctaacctagc ctctccgctc cctcgggacc aacaaggggt agtacaggaa 240
 tattcacctg ttgtccatcg actacgcctt tcggcctgat cttaggccct gactcaccct 300
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<210> 549
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 accccacgat tcttcagaag gtttctggcc aactcttgag ctcgagtgtt tctcaggaca 180
 ttcgtgggta tgcttcgggt tccaaaaggc ctgctacata ccagaaacat gcagcttacg 240
 gaaactactc caatgctgca tttcaatata ctcttgtggc tgcattctcag attgcaacta 300
 ctactttctc tgtgtttgtc caagctccag gagagaaggg atttactaac tttgctattg 360

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<210> 550
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<212> DNA
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<223> Clone ID: ARABLI-11-Q1-B1-B5

<400> 550

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atcctcgatt ctaaaaagct tccagaggac aataatttgt gacggagtaa ctctcgagga 180
catggaatgc aacaaggatg aagcgaaaag ggcaatggat attgctgaga ggaagatgac 240
agagaaggat tacactgggg cgaaaaagtt tgctaacaag gctcaaaact tgtttcccg 300
gttggatggt ctgaaacaat tgtttgtggc aatcaatggt tataatctccg ggagagaaaa 360
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<210> 551
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<212> DNA
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<223> Clone ID: ARABLI-11-Q1-B1-B6

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ctccaaatgc ttcatagctt tccgcatcaa atcctgtcct ttagcaagct tagcggagtc 180
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<212> DNA
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 taataaaaaa aaaaaa 136

<210> 553
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-11-Q1-B1-C7
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 agccaccgta gctgacgcca tcgccgctct caaatcctct gacgaaccgt tcctcaccgt 180
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 <211> 436
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 <213> Arabidopsis thaliana
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cgtttcaaac gaattcaact tcttaaacac ttctcttctt aatcgaagaa gcttctgttt 240
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 attgagtaaa agctcgagat ggatctttgc catcggtttt ctatttctact gccgcatggt 360
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<210> 555
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 555

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 cc 422

<210> 556
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 556

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 gtcactgagt cttttctctt cctcgtcgga aagaatctgg cttgtcttct ccttggtgga 180

gaatcattac tgataggttt ggttgctggt gaccagaggt tgtctgtcaa ggagggttac 240
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 aanatgaaag acccgatgaa ggaccaanat natgaaggat gatgccnatg aatnaanatt 360
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 ct 422

<210> 557
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-11-Q1-B1-D5
 <400> 557

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<210> 558
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 558

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 gctgcgaact tacaccttac gtacttctcc ggcggcctga taagaccccc tccaccgatg 180
 atgtgcctga gtcagccccg cttgaaggct acttcttaaa gtacagatgg tttcgagtac 240
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aatgggatng ctaattcgtc gtattttgat tcacatagcc aaacagattc aatggcantt 360
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<210> 561
 <211> 408
 <212> DNA
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 <223> Clone ID: ARABLI-11-Q1-B1-E7
 <400> 561

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<210> 562
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tctatctttc tctttctctg cctcagcaat ggagagtgat gcatcttgta gcttagtttt 180
 gtgtgggaaa tcctctgtgg aaactgaggt agcaaagggt ttgaagaaca agaactctct 240
 taaactocca gataatacca aagtttcact catttttagaa tctgaggcta aagaatttgg 300
 ttaaagatga tgataattcc ttcaatcctt caatccttaa gaactcnatt ataactcanc 360
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<210> 563
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 tggngtacia gaacatcagt ttcacagtgt gggatgtcgg cggtcaggat aagatccgtc 180
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 acagagaccg tggtgttgag gctanagatg aattgcacn aatgttgaat gangacgatc 300
 tgcgtgatgc tggtctgctc gtatttgcta acaagcaaga tntcccaa at gctatgaatg 360
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<210> 564
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 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABLI-11-Q1-B1-F3

<400> 564

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 gtttctgttt cactccttcg tcaaagcttt gcaacttggg aactcccgaa cggtaaaaatc 360
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<210> 565
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 565

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntggtcg catccccctt 180
tatccgagaa ggatctatcc aaatctttgt ttgtcgaatc tcctctcatg gctaccgttg 240
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aagcttcaaa agattcctga gcctaacaag aagaatggcg tctaacaagt atggaggcgt 360
tgangttcaa gggcnagtgc cttctaagat ngatctttga caacaaa 407

<210> 566
<211> 272
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-11-Q1-B1-G12

<400> 566

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agaagcttta gattacttct cttccattgg atgctctcct cttatcgcca tgaatcctgc 180
anagttcttg ctcgatcttg ccaacggtaa catcaacgat atctctgtac cttctgagtt 240
agatgataga gttcaagttg gcaattcaag gt 272

<210> 567
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-11-Q1-B1-G8

<400> 567

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cccacgacct tcttctancc ggccaccgct atctagacgt cangactcca gaagagttca 120
gccagggaca tgcctgtggg gcgatcaacg tgccttagat gaatchagga gcatcaggga 180
tgtcaaagaa ncccgacttc ctggaacaag tctcctccca ttctggagaa tccgataaca 240
tcattgttgg ctgccagagc ggtggttagat ctatcaangc caccaccgat cttctccatg 300
caggtttcac ggggagtcaa agatatctcg gtggctaana gtgcctgggc caaagaatgg 360
gcttcctaaa aanggcttga gtgactcaac aatcnacaaa aatccttttc cttanc 416

<210> 568
<211> 440
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-11-Q1-B1-H4

<400> 568
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cttaccacca tttctcgnga naccctagn aantcncct cttgttcgc nactgccgcc 120
gcnctactc aacggtggtg aattttctat acggtcagtt cgatcctctt tttatcgaca 180
atcctacaca aatccataat catggccgcc actgcttctt ccgaagcttc tgaaggacca 240
gtgatgggtc tcatcaacaa gcgtctccgt gctctccgta agaaatacaa ccgaatcact 300
caaatggaag aatcgatttc tcaaggcaaa accctaaaca aggagcaaag aagaagtcct 360
ccgctctaaa cctgccgtcg tcatcctaata cgacgagctt gaaaagattc gtgctcctct 420
ctccgccgct gtgacagaag 440

<210> 569
<211> 218
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-11-Q1-B1-H5

<400> 569
ctcgagggaa gatacaaata atacaatacac caatcagaaa aagcagaacc gtgactctga 60
tgttctacta tttcagtagc aactgtactg atccacccca atgtattcac ttactgtata 120
tccacctatc caaaatttat tcgtttgtat ccattacttt gtatcacgat tcgaacacac 180

ctctctttttt ttttcccctt ttcaaaaaaa aaaaaaaa

218

<210> 570
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-11-Q1-B1-H6

<400> 570

ctcgagaaag aaacagaaca acaatggcga aattaaatcg ttccaacatt ggtctctcac 60
tgttactatc tatgttcctc gcaaacttta tcaccgatct tgaagcttct tctcatcaag 120
atctcaacca accgtaccgg accggttatt actttcaacc tctcaaaaat tggatgaacg 180
atcctaattg accaatgata tacaaggaa tataccatct tttttacca tataacccat 240
acggtgccgt ttgggatgtg agaatcgtgt ggggacactc cacgtcagtt gacttagtca 300
actggatttc acaacctcca gcttttaatt catctcagcc gtcaagatat caacggttgt 360
tggtcangct ccgtcacgat tctaccaaac ggnaaacctg tgatcctcta ca 412

<210> 571
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-A2

<400> 571

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atcctgaagc caaaggaaat gagatcggaa ttctcgggg aattccaatt ccacattttc 180
aagaaataag gaggcaaaaa tgttcatata tgaattggaa ttatttgttt tcttattagg 240
cctatcctga agccaaagga aatgagatcg gaattcctcg gggaattcca attccacatt 300
ttcaagaaat aaggaggcaa aaatgttcat atatgaattg gaattatttg ttttcttatt 360
angcctatcc tgaagccaaa ggaaatgaga tngggnatc ctcgggggta ccgaactccg 420
aantccnna agtggagtcc gtattaaatt cgtaat 456

<110> Conner, Timothy W.
Ruan, Yijun G.

<120> Nucleic Acid Molecules and Other Molecules Associated with
Plants

<130> 38-21(15404)B

<160> 18718

<210> 1
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-08-Q1-B1-E6

<400> 1

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gatgagccat tatacgttgc gttcctcaag tctacgggtg ttgatangcc ttacaaagat 180
gagcttctct ctaagatgga gtgtgatgga gaaaaggtgg tgaaggatat catttatggt 240
ccaggaaaga agaaatatan gttttgtaag catatatcga nacagcgact tcttggtttg 300
ccaantganc naatgagtga cgggaaacac tttatattga cacgcattcc cctcaacata 360
tngccttctt tngnaaaaaa tacaacnttc aacatttcaa caaattggna 410

<210> 2
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-08-Q1-B1-E9

<400> 2

tcgagcggag agaagagaga cggatgatcgg agagaaagag aggatgggaa cgagacaagt 60
atacgaagag aagcttcggc gtgggaatct tgattatgat ccgactatga atcctggtct 120
tggttctgct cgggtgtctc gttgtctttc tctcttaaac cctaattcag agaaaggaga 180
gtggacgata actccagttt tacacgatgc tgctgcagtg gctgggttctg gtattggtgg 240
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<210> 572
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-A3

<400> 572

cnttcggctc gagcaaacca agacaatatt tgatcaattt atcaaattct ctcaaccct 60
 agtctaaaca caaaaatgaa ctccaatagt ttcttaatct cagcagcctt aatcttctct 120
 ctactatcat caaattctcc aacatcgatt cttgctcaaa tcaatacacc atgttcacca 180
 tctatgctct ctagegttac aggttgacag agttttctaa cgggaggtgg tagttttccg 240
 acctcagatt gttgtggggc tcttaaactg ttaaccggaa ccggtatgga ctgtttgtgt 300
 ctgatagtaa ccgcaggtgt tccaatcagt attcctataa accgaacttt agccatctct 360
 ctccctcgtg catgtggcat tcctgggtgt ccccggtcaa tgcaaagctt ctgcagcaac 420
 tctccctan 429

<210> 573
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-B3

<400> 573

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 nnnnnttgct acaatggaat ccacgtata aaaagggttc atcctctgat tcaactctct 120
 acatttcacg gattctctct atcttctctt ccattcaaat ctcacattcc ctcttcacaa 180
 caacagcttc gtattcgctc atcttctctg ctttctgac ttggaaatcg caggcattgt 240
 tcgtctactc gaggatttca attttgggtca tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnacc ggcgggtcgt 360
 atttccgacg ggaatctaata catcaaaaac cggacgattc taaccggtgt accaagataa 420
 tgatcatcag aa 432

CC-0 11-11-11

<210> 574
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-B6

<400> 574

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cgatattctc atcgttacga cggaggagat cgccgtcttt ggaagcattc ttagcccccg 120
ttgacctttc cggcgtcgca cttgttcaaa ccctagcttc aatctcttcg gaggttggtt 180
cttgtttcac ctctgttcga ttctcgtttc aacgcaagaa cgctcgttct ttgattcgta 240
agatcgagat ctttgtcgta ttattcgaat ttctcgtaga ttcaaattgg ggctnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntctgt ttctgaatca acagctttgc 360
tttgtctcaa agagctttan ctctctctct atcgttccaa gatccttggt gat 413

<210> 575
<211> 67
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-C10

<400> 575

ctcgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnn 67

<210> 576
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-C3

<400> 576

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ataaggaggc aaaaatgttc atatatgaat tggaattatt tgttttctta ttaggcctat 120
cctgaagcca aaggaaatga gatcggaatt cctcggggaa ttccaattcc acattttcaa 180
gaaataagga ggcaaaaatg ttcatatatg aattggaatt atttgttttc ttattangcc 240
tattcctgaag ccaaaggaaa tgagatcgga attcctcggg gaattccaat tccacatttt 300
caagaaataa ggaggcaaaa atgttcatat atgaattgga attatttggt ttcttattag 360
ggcctatcct gaagccaaan gaaatgagat nggaattcct cgggggtanc 410

<210> 577
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-12-Q1-B1-C4
<400> 577

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agcgcaagca tgtttgaagg aatagggttct cgatccggtg gttcctttgg aggaggcatg 120
agggatcgtg gttcaagctt tgggtggtcgt tcaggcgggtg gtggttatgg tggcagcagt 180
ggtggttatg gtggtgggag ttcaggcgga tcaagcaacc gttattctgg tgattctgac 240
cgttctgggt ttgggagctt cggtatgcgt tctcctgagg gatatgggtc ggatcgttca 300
tctcagtcag gtggaaggag cagctttggt ggggtggtcgt tcaagcggat catcaaacia 360
tcgttcctct gggttcgggg actttggctc tgaccgttcc ttctcagtca ggcgga 416

<210> 578
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-C6
<400> 578

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ccatttcaag ggaacaacia cacagtcgta gttcccgaga ccaacaattt caccacgact 120
catttcgaca cggtcgggag aatctctgga tggaatcatc acgacttaac tatgacgtca 180
tcattcctcat cagaacatca acaacaagaa caagaagaaa gngngtaatgg tgggttcatg 240

aagaagagtt tcaaaagcaa gagaaaattg ncaagaanga agatttgggg gttttaaaag 420
gatttg 426

<210> 581
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-12-Q1-B1-D2

<400> 581

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ggttccggtg agacattttt gaagactgggt gattcacctc ttcttacagt tatgtcagct 120
ggacatgctc ttcattgtgt tgtcaatgggt cagctttcag gaactgctta tggaggactt 180
gaccacccaa aactaacctt tagccagaag atcaaactac atgcagggtg caacaagatt 240
gctcttctga gtgttgcagt ggggtctccg aacgttggta cacattttga acagtggaat 300
aaaggagttc ttgggtccgg tcacattgaa gggagtaaac tcaggaacat gggacatgct 360
gaaatggaaa tggctctata agattgggtg aaaggggtgag gctttgagtc tcata 415

<210> 582
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-D3

<400> 582

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gtggcgacat tcggtacctg atggatgatg ttcaagctct taaacctact gtgttttgcg 120
gtgttccacg agttttacgac aaactatatg ccggtataat gcaaaaaata tcagctagt 180
gcttgatacg caagaaactg tttgattttg cttataacta caaattggga aatatgagaa 240
aaggattctc tcaagaagaa gcttctctc gtctagacag acttatgttc gataagataa 300
aagaagcatt aggaggaaga gctcatatgt tgttatcaag gagcancgcc tctacctcgt 360
catgtanang agttcttgag aatcantcct gcctccta atctctctcaa gggatggat 420

tg

422

<210> 583
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-D4

<400> 583

agagacaacg nagcatgccg gccacgncca atccaagaag attccccncg ggggaattcna 60
attcnaanatt ttcaagaaat aaggaggcaa aaatgttcat atatgaattg gaattatttg 120
ttttcttatt aggcttatcc tgaagccaaa ggaaatgaga tcggaattcc tcggggaatt 180
ccaattccac attttcaaga aataaggagg caaaaatgtt catatatgaa ttggaattat 240
ttgttttctt attaggccta tctgaagcc aaaggaaatg agatcggaat tcctcgggga 300
attccaattc cacattttca agaaataagg aggcaaaaat gttcatatat gaattgggat 360
tatttgtttt cttattangc ctatcctgaa gccaaaggaa atgag 405

<210> 584
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-D7

<400> 584

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gcttgcattht gctacggatt cttcttaatg ctcggaacag ttggcttccg cgcagccctc 120
ctctttgtcc gtcacattta cgggtcgatc aaatgcgagt aagaaggctt gtacaccaan 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagaacaaa 240
gaagataaag agataggttg ttagaaagaa gagagacaca nagacaatgt ctgattattht 300
tctaaagaag catctcttct cattagaggt ttancgaga agtctctctt cttctctctt 360
ttaatttggg gctacaagaa attaaaatta cttgtatcct ttccaataat agtttaac 418

<210> 585

<211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-E4

 <400> 585

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tatgcagtat aaagcaacga ttggtgctga ttttgtaacc aaggagcttc agattgggga   120
aaagcttggt actttacaga tttgggatac tgctggacaa gagagattcc agagtcttgg   180
tgctgctttt tatagaggag ctgattgttg tgctttggtt tatgatgtta atgtgttgag   240
gtcttttgat aatctcgaaa cttggcatga ggagtttctt aaacaggcaa gtccatcaga   300
tccaaagaca tttccgttta tagtgcttgg aaacaagatt gacgtanatg ganggagcag   360
tagagtggnc tctgataaga aaagcagctg actgggtgtg cctcaaattg taacatancc   420
ctaattccg                                     429
  
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<210> 586
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABLI-12-Q1-B1-E5

 <400> 586

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agatcaaaag atgaacatcg ctcacactat cttcggcgtt ttcggaaatg caactgctct   120
gtttcttttc ttggctcctt cgataacatt caagagaatc atcaagaaca aatccactga   180
acaattctct ggtatccctt atccaatgac tctcctcaac tgtctcctct ctgcttggtg   240
tggacttccc tttgtgtcaa aagacaacac acttgtgagc acaatcaatg gcacaggagc   300
agtgatcgaa acagtctacg tgttaatctt tcttttctac gcaccaaaga aggagaaaaat   360
taagatcttt ggtatcttct cttgcgtttt gggctgtatt cgcaacagta gctctccgt   419
  
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<210> 587
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-A8

<400> 587

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tagccatggc aaacgcggca tcgggaatgg ctgtgcatga tgattgcaag ctgaaattta  180
tggaactgaa ggcgaaaaga acattccgta ccatagtcta caagattgag gataagcaag  240
tgattgtaga gaaactcggg gaacctgaac aatcatatga tgacttttgc agctagtcct  300
tccaactgaa tgatggccga taattgcatt tacgaattcc aacttgnaa ctgcgggaga  360
actggccaaa aagaagcaag attcttcctt caattgcaag gggctctccg gacactggcc  420
aaaattgag                                     429
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<210> 588
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-A9

<400> 588

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ctcatcacga taccaaaaaga cgagagcctt gggtgttttg tgaacggaac acagaactca  180
tgagagatgc catacacact cgttacacac tgctcccata cttctacacg ttgttcagag  240
aagcaaacgt tacgggtggt cctgttgtac gccattatg gatggaattc ccgcaagatg  300
aagctacttt tagcaacgat gaagccttca tggtcggtag tggctactg gttcaaggag  360
tttacaccaa gggaacaacg caagcttccg tgtanttgcc tggcaa                     406
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<210> 589
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-14-Q1-B1-B10

<400> 589

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acactctcac cgcantggcc gcctcgacaa nggntctctc ctctcctgct ttgaccggaa 120
aggncgttaa gctatccccg gcggntccg aagnatttgg aaccggccga atcancatgc 180
gcaaagcctc caagcccacc ggtccatccg gcancccatg ggacggatnc gaccgagtca 240
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attacgggtg ggacactgcc ggtctatccg ccgatnccga naccttcgct aggaaccgtg 360
agctanaant tatccacatc agntgggcca tgctcggagc cctaagggtgc gttttcctga 420
gctattggc 429

<210> 590

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-14-Q1-B1-B11

<400> 590

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ggcgacggct ccgccggaga tgacagattg gttgtgcttg accaaactca aaacagagaa 180
ttgcatattc ctggtttcgg tgtttttcaa aatgtctccg ccgatataaa ctgcgacaaa 240
ggagaacgaa ctcgattccg ttccgacatt cttgacttca acaagatgtc ggagtatttt 300
aaccaagagg tcgtcgggtga ccggaaaaat accgtcggga aatttcaacg cgacgttcgg 360
gtttcaaagc gggtcatggg cgacagacgc cgcaaacgtt aaatct 406

<210> 591

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 591

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 agaagatgct tcctctatcg ctgcttaaaa ctgctcaagg gcatectatg ctcgaggagc 180
 ttaagaatgg agagacatac aatgggcatt tgggtgaattg tgatacttgg atgaacatcc 240
 atctgcgtga agtcatatgt acatcaaagg acggagatag attttgggag gatgccggaa 300
 tgttatatcc cgtggtaaca caatcaagta ccttccgagt tccgggatga ggtgattgat 360
 aaagtacaag gaggagaaag acacgccaca agatagaaaa ncaacaaggt ggttggacg 419

<210> 592
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-B9
 <400> 592

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 atctgccaaa gttaacgact gggattgggtg cgcttgcatg gctgggattc attcttgcaa 180
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 atatccatga tccgcaaacc atgaaagatg atgaaccact cttaaaaata gagctaaaca 300
 atcctgcttt gcttgcgtggg aattggacac agctctgtgc aacatgcaag attatcagac 360
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<210> 593
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-C1
 <400> 593

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tgatgcgttc aatcgggtgaa aaaccgacaa aagctgatct tcaggacttg atgaacgaag 180
 cggatttaga tggatgatgga accatcgatt tccctgagtt cttgtgcgta atggctaaga 240
 atcaagggtca tgatcaagcg ccgcgtcaca ctaaaaaaac aatggcggat aagctcactg 300
 acgatnagat tacaagagta caggggaatcc ttcaagttat tccacaagaa tgggtgatgg 360
 gtccaatacg aaaaaagggc tccgttaccg tggagttttc cctccggaaa aaaacgg 417

<210> 594
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 594

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 agtcgaacca agttccgaca ttagaccgac gtaactcact aaaaaaatcg cctcctaagc 180
 ctttgaatcc aattgcatca aagataccct caccaagacc aattttctcta atctctcctc 240
 ctttgtctcc caacacaaaa tccttaagaa aaccggccgg ttcttgcaag gaacttctta 300
 ggtctaagct ctacaaaatc gaaaccagtg atatcaccaa gagaacagtg atgggggnta 360
 caaagagggtt atgcctaagg tgattgttca aaagcagcct ggaagtatag cagctgccca 419

<210> 595
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-C4
 <400> 595

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 atgtagttga tgctgcagat cctgacaacc taagtgtgtc gaaaagtga ctccatgatt 180
 tgttgagcaa gacttcgctt aatggatatc ctcttctcgt tcttggaac aagattgaca 240

aacctggagc tctgtccaaa gaagccttaa cagacgaaat ggggacttac atcacttaca 300
 gatagagaan tctgctgttt catgatatca tgcaagaact ctaacaaana ttgatnaagt 360
 cattgattgg ctcgtaaagc attcaanagt ccaagnacta atcctcanca aagaaca 417

<210> 596
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-14-Q1-B1-C5
 <400> 596

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 taaaccggat ttgattgctc ccggagttaa catcctcgcc gcatggacag acgctgttgg 180
 acctacaggt ttgccgtcag atccaaggaa aacggaattc aacattctct ccggtacttc 240
 aatggcatgt cctcacgtta gtggtgcggc ggcgcttctc aaatccgctc atccagattg 300
 gagccctgcc gtgatacgat cggcaatgat gacaacgact aacctcgctg ataactctaa 360
 ccgctcgttg atcgatgaat ccaccgggaa atcgggtacg ccttaagatt 410

<210> 597
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 597

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 cttctgaaca aggaaatgga tcgaatcctt ccacgtcacc ggaggtagaa gggactaaaa 180
 caatccccctt tcgccggaga ttgcaaagag gacaaagagt ttccgctcca aagctgatgg 240
 aggctctacg tcgatcaagg gtaagctctg aagaagctcc ggtaaggcat cttagtcgta 300
 gattggaaaa gccacaaacg cccaaaaagg tanattcccc taaagntcct angangcctc 360

cttcaacga tttcgggcg gaaccgcaa canttccggg ggacaacggg ccgaacaaaa 420
ntcccttgcg aa 432

<210> 598
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-14-Q1-B1-D2

<400> 598

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atccaaagga gttcacttat ctgggttactc tcctttgggt tcccaaagta agggagaagt 180
caggctaaag gttcttcaaa acccgattgt taccgaggtt gctgagaaac ttggaaagac 240
caccgccccaa gtggctctcc gttggggact ccaaactggg tcatagtgtt ctacccaaaag 300
agctcgancg gggctcggct caagganaat cntgatgttt ttgactggtc caaacggna 360
agattcggtt taacaaagtt cccaacaat cccaggaga agttttgccg anctactg 418

<210> 599
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-14-Q1-B1-D3

<400> 599

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gcgagcacat cagactccga cgagctagaa accaaacaat ccgtcatctc caccgcccg 180
acgatgatcc gccgctaagc cacgtcgttc ttccgatttc acaacctaata cgcttctgta 240
actccgcaat gtcttctctc tttccctctc cgacttctc ctccaacgaa agcacgagga 300
agaaaccgta ccaaacgtcg tcgtttcgag ggatgggttg ctatgccgca agcaagcaag 360
caagcaagct caagaggttt ctgttccctc cgtcattcgc tactccgcgg gatttgga 418

<210> 600
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-E10

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 agctgtgtat tcctctgtca agggagctaa agttgtgaat gataggacta ctggacggtc 180
 caagggttat ggatttgcga ggtttgcgga tgaaagtga cagattcgtg ccatgactga 240
 aatgaatggt caatactgct catcaaggcc tatgcgtact ggtcctgctg ccaacaagaa 300
 gcctcttaca atgcaaccaa cttcaataac aaaaacactc caagggaant taaggngaaa 360
 attgttcaaa ctaacannaa caatttttgg ttggnaccct tttggtttta aaattgtaaa 420
 n 421

<210> 601
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-E11

<400> 601
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 tatccagccc gggccatcca ttttggttga tcaaattggat actgaaaaat ccaaagaacc 120
 tggtagcgag agtgctgatg tgtctttaca ccaattagct gatatccagc ccggggccatc 180
 catttttggt gatcaaatgg atactgaaga attcaaaaat cctgatgtgt ctttacacca 240
 attagctgat attgagccct cactgtctat ttcagctgtg caaaagaata ttgaggataa 300
 ggatcaaagt cacgttgaaa ctgctggatc tgagttagtt gatgtctccg ccgaatgttc 360
 aacagaacct caagttcaat tacggcatcn tcaaagccaa tggga 405

<210> 602

<211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABLI-14-Q1-B1-E3

 <400> 602

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 agtagagatt caaacagttt cagggtttca aacaggataa cagggatata catgattaaa 180
 agtttgaaaa gggttacaaa acagaattag agagtaaaag cagagacact accgggatgc 240
 atagagaaga tacctccact tctcggtgag gtgaaaacag ttgaaaacgc cggaaaaagg 300
 tcactgggaa ctccatcttt gcccgttgtg taaagccatt tttgggaagg aactgttga 360
 taattctgtt ttaataaaaa gagtaactga agatctgggt tttcaaaagt ttc 413

<210> 603
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-E5

 <400> 603

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 ttagaaaaatg ttattcacga ggagtgttgc tcggatttct tctaagtttc tgagaaaccg 180
 tagcttctat ggctcctctc aatctctcgc ctctcatcgg ttcgcaatca ttcccgatca 240
 gggtcactct tgttctgact ctccacacaa gggttacgtt tgcaagaaca acttattcat 300
 tgaaatctcc gggttttgggt ggatttaagc aatcaactct atcaacanag taactccttg 360
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<210> 604
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABLI-14-Q1-B1-F10

<400> 604

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aaagcagagt ggtgttggtta ccgtcagagt tggccggaag agtgagctcg tcgtcgttgc 180
tcagcgcaag aagtcgttga tatacgccgt taaaagtgcac ggcaacatcc tcgatgacct 240
caacgaagcc acaaagaaag cttctgattt cgtgacggat aagacgaagg aggccttggc 300
ggatggcgag aaaacaaaag actacattgt tggagaaaaa caattgaagn caaatgaaac 360
tggcaatgan ggaagctaaa aaaacctttg gattnagttg acctgagaaa agggaaaag 419

<210> 605

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-14-Q1-B1-F11

<400> 605

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catatgagtt tgatcaatct cattcaatac aatggctgaa gaaaagatca agaagagctt 180
gcttgctgcg gacgacagcg acgatgagta ctcaagaggt gatacagttt cagatcagac 240
agaactgagt tcgattcttg ataaacttag tctagaacct aagacggaga aaaagaaact 300
cttggtcttg agtctaagtg gtcttcttct tcacagagtc cacaaaaaag agttgcgtaa 360
gaaacccaaa gaaccgctct cctggatgcc tcctgggtggg gcaaactctg 410

<210> 606

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-14-Q1-B1-F2

<400> 606

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aagaagctag tcttgtacta caccgacaaac aaaactccga aaccaatcgc ttatttttgaa 120
 tacgaattct tcaccaagat aacacaattc cagtcaatga cgttccaagc tgtggaagat 180
 tccgacacaa cgtgggggtct agtcatggaa ggtgtcgatt ctgggttctaa attcaacggt 240
 tcaacgttcc tctcacggcc gaaacacaac gcgacgttga gttttattcg gttagaatca 300
 gacggaaaca tcagagtttg gagttacagt acgttgggcy acttcacggg ctgggacttg 360
 acatacaccg ggtttaacaa agccgacact gaagggtaac gaanaagtg 409

<210> 607
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-F6
 <400> 607

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 tcgatggcgt ctcccaaact ctcgacctta tccgttctaa gggtaaaaat gttgtctttg 180
 tgaccaacaa ttccgtaaaa tcgaggaggc aatacgtga aaagttccga tctttgggtg 240
 tcacttctat tactcaggat gagatcttct cttcgtcatt tgcggcagct atgtatctca 300
 aagtcaataa ctttcctaag gacaagaagg ttaaggtgaa ttggtggaaa aggggtgtcct 360
 tgaaggagct gcaanattgc cggtttaaaa ggctgggtg ggtcctgaan atgggtg 416

<210> 608
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-G10
 <400> 608

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 aattcggctc gagcgggtgtt atatcttctt gccttgaatg tttccttgcc ggaggtgatc 120
 tctatgtctt tgagtacagt gtttccctg ctatctttct tgccaaacct cgaggcggcg 180

tatgcactat agcatcttca gatcctccag aagaagtcac ctatcgagca aatcttctct 240
 tgcaaatgg ttttggtgtg tacaatgtct tcaagaacaa ctgtgaagat tttgccatct 300
 attgcaaaac gggtttgcta gtggcaacaa ccgacgtggg aaggagtggc caagctgctt 360
 caattgttgc agctgccaaag tgttcttctt tcctcaccac tcangtttgc aacaagtttt 420
 ggggtgnttg gctgtggctg ggctaaggga tgtactgcaa caagtcnct ta 472

<210> 609
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-G11

<400> 609
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 ttgaagtgtc gtctaccagc aacaatcagg tgcctttcac acccaagtgc acacgtacgt 120
 gccttaagca cgctcagtact acgtgatatc atgaacaaa gctccatacc catcaaagta 180
 actccaaaac tgccaacaac agagaagaac ggaatgaata gtccgtccta tcgattcttc 240
 aacgccgcct caatagactg gaaagccgat atccaaaact gtttaaactg ggaagctcac 300
 agcttgctct ccacaactat gcctactcag tttctcgaca ctgaggctcg ggaactcggc 360
 tgtactanat ccttgtecca ataacgaaca ccacttttgg ttttgg 406

<210> 610
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-G2

<400> 610
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 agttcagaca ccgaatctag cgaatctgtc tctcaacgac tcgatctgga gcacaaactc 180
 tgtcttcaaa gagcgtcgaa acttagacat agccgccacc accgacaaga acaacaacca 240

gatcgactat tatcagaaga agacaacttc cgacaacatc aattccaact gggaactggg 300
aagtcttctg gttcaaaaca acgacatggg gttaaggatc cganctgtgg ggtcaaaatc 360
caacgtcgat ttaaacccaa tccgacaaat tcaactcaac cgttcaacga cacgtgggaa 420
aat 423

<210> 611
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-14-Q1-B1-G5
<400> 611

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tcatggcaag attctcttca gggatatctc acttgagatc ttcagggttt ggcaaccatc 120
agagaacatg attctcatca ggtggaatct taaagggtga cctagagtcc catggggaggc 180
aaagggagag tttcagggtg cttctcgtc taaactcgac cgaaatggca aaatctatga 240
gcataaggtc gataacttgg ccttcaactt ccctcaccaa gctcaaact gccacttctg 300
ttttgggata tgggtcaccg cttgccctgg caaagtccca aatccaaact ttcaatgttt 360
tgggcgcaa tgggattcat actcatcctt cnttgggant tgaagtttct acaaaagcaa 420
ttgcaaaagg gaca 434

<210> 612
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-14-Q1-B1-G7
<400> 612

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tcgcgatcct tcttccacct cttggagttt gtctcaaacg tggctgttgc actgtagagt 180
tcttgatttg cttggtgctg acaatcttag gatacatccc agggataatt tatgcactat 240

acgtgatcgt gtttcaaaac cgtgaaggct ctaccgaact tggagctcca cttaactcag 300
 cttgatctgt tttgggccat tacacggatc aatatgttgt tgaaactggt ttacttatca 360
 tgtaccaaat aataagttgc tttgcaattt ttatgtattg aagatttgag 410

<210> 613
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-H10
 <400> 613

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 agttgagctc aagactcaga gggatattct tttgtgttgt tgctggcatt tcggctactt 180
 ttctcattgt cctgatgatt attgggcacg cgttcgtcct tcncttcgat ccctatagga 240
 gaaaattcca ccacttcatt gctaaacttt gggcttccat aagcatttan ccgttttaca 300
 naatcancat cgaggggttg gagaatctgg catcatcang acactcctgc tgtatatgtt 360
 tcaaaccacc aaagtttctg gatatctaca cacttcttaa gtcttgggaa a 411

<210> 614
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-H12
 <400> 614

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 attgctatgt tgcgtgtctc gtaccgagtt ctctgacaag aaagcactact tacgctggca 180
 gaaaaggcag ttaaacaatgt tagcagaggg gctcattaac aatccagttg ttggatttgg 240
 agaatcaggt cgtaaggcaa ctgacctgaa gagtcttctg ctaaggattg aagaatcaga 300
 gtctcttcca tcctcagctg gagaagtgca aaagagcaga atgtttaaaa tctcttagag 360

aanttgctat ctcactttgc tganaaaacc ggctcnttgg tgatttgacc ggttgaa 417

<210> 615
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-14-Q1-B1-H3

<400> 615

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ccttagggta catgacacgg aaagatacag aagtcaagct tccaagacct actcgtgtca 180
agaacaaaac tccggcgccg attcaaataa ctgccgaaca gatattaaga gaagctcgag 240
agagacaaga agctgagatc cgtcctccca agcaaaaaat cactgattcc actgagcttt 300
ccgactacag actccgcccg gngaaaggaa tttgaanacc aagattcgtc gcgcgagatg 360
gaacattcaa gtttgggtca aatacgctca atgggggaaag agtcacaaga aagattacgc 420
tcgtgctcga aagttgtttt gggaaccaag ccatanaaag gnngattata gggaaccata 480
cgctttggnt c 491

<210> 616
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-14-Q1-B1-H6

<400> 616

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tggacgtcga aacaacctgc ctcgtccaaa cctcagaaga cgatgtaagg tcaccgcttc 180
acgggctaatt attgaacaag aaggtaacac agtgaaagaa cccattcaga atattaaagt 240
aaagggatac ataacggccc aagaagagtt tctggagggc ataacttggc ccaagaggtc 300
tcgatgacat tgctggatat ccgcggnan antaattgct ccgtcgagct tattancgcc 360

aangactgga ccaaacggga nttacgggta gaagantang ncanaachgt gttatggggc 420
ccaaagnccc ct 432

<210> 617
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-14-Q1-B1-H7
<400> 617

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ttggtttctt tgagagagta aaaatggcag atcgagtga gccagaagac gaactgtttc 180
ttgtcgcata cccgtatttt aatgtcaacg agatgcttgt agtgggaagag ctctacaagg 240
aagctgttgt gaacactgac cgaaaactaa tcatcttcaa tgggagaact tgaccgcata 300
cgatcgggggt tgtatccttt ttcttctcat aaatgaaaca aagtagattc ctttttccat 360
ttgcatcaca acttgagaac caaatgagaa agctgaatca agagagagag act 413

<210> 618
<211> 414
<212> DNA
<213> Arabidopsis thaliana
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<400> 618

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tgatcataca gtattacaag gcatggacaa atcgagtggg ttggatttca tcaaccagat 180
gttcccagta gaagcttctc tatcttgtgt tgagtctttt atgcaaaaga tttgtgacga 240
gattcggcga gttgatgcta ccatttttagc tgttgttagt caacagggta actccggaac 300
tagagctaaa gaaaatctta atgatgcat atgtgctgcg gaggaactct ctcataagat 360
acaagagata aaatcaaaag ccgaacaaaa ccgaagcaat ggtccaagac atat 414

<210> 619

<211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-A7

<400> 619

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 tactcatcaa agacgcaaag aacttcgagg gtcgtcctga caagtctgag agggaagcaa 180
 atgcctccgg cgccgccgcc aagtccgggtc accccccgtc caagcgggtc ttcgtcggtg 240
 acttgagctt cgatgtcacc aaggaggccc tcgaggaaaa tttcagcaag tgtggaacag 300
 tcaacaacgt gcatatgggt accttccang acacaggaaa atgcaaggga tatgcttggg 360
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<210> 620
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-A8

<400> 620

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 gagcttcgag gtttctttca aggaatgtca gcttggcagt ttatcttagt agttactgca 120
 agttcagttg gagaagagct cttctatcgt gctgcgtttc aggggtgcact agctgatata 180
 ttcctaaggg gcacagatct tatctcggtat tctcgaggaa tggttgcttt gactggactc 240
 ttgccaccat ttgtaccatt tgctcaaagt atttgcance actaataaaa gccgctctca 300
 cnggntcccc caacnacata gctgcttccc ctaaagatcc aacttanata annngaaccg 360
 ggtcttgaaa actcnctctg cccgaaaaca acctgaanaa tttgtttgca ccgtgggatn 420
 ac 422

<210> 621
 <211> 201
 <212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-15-Q1-B1-B11

<400> 621

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 gcaatatttt gttgttatgt cttttagtagca atgcactgaa agctatatatt aattacattg 180
 ctgtacaaaa aaaaaaaaaa a 201

<210> 622

<211> 373

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-15-Q1-B1-B2

<400> 622

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 atcttattta cacatgtaag tttttccatc taagnngcta ataataccac aaaccgtaat 120
 ataacgtcca tttggtcaca ttctacacat tacacaacag acatcatcag cagtccaatg 180
 cgacggtaaa aaccttttaa aagtaacggc ggttacatat atattacaga ctttatttaa 240
 ctttttttaa acttattttt tttcttttac tcatacgang cnaatgacan catcaagcat 300
 ccacanatcc acctcggaan agggactcat caagcngagc cgggtggcccg ccgtggtaac 360
 ggtcanctca agg 373

<210> 623

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-15-Q1-B1-B3

<400> 623

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tttcttatta ggcctatcct gaagccaaag gaaatgagat cggaattcct cggggaattc 180
caattccaca ttttcaagaa ataaggaggc aaaaatgttc atatatgaat tggaattatt 240
tgttttctta ttaggcctat cctgaagcca aaggaaatga gatcgggaatt cctcggggaa 300
ttccaattcc acattttcaa gaaataagga ggcaaaaatg ttcatatatg aattggaatt 360
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gtaacg 426

<210> 624
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 624

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gcttaagacc aaactcatag agatgggttt cttctcttnt cttggaagag ttctcttcgc 120
ttctctcttt atcctctccg cttggcaaat gttcaatgat ggtggtcctg cagctaaaga 180
attggctcca aagcttgatt tgggtaaggc acatttatct tctagattag gagtaacatt 240
gcccaaaata gaggtgagac aagtcgttgc tactattatt gccctgaaag gagtcggagg 300
cttactcttt gttatcgga acaccttccg gtgcttatcc ttctggcttc ctactttggg 360
ggtttttcgg tccctaatec tectatgaat ttctacaaac taacggacct caaggaacgt 420
taattttctc etc 433

<210> 625
<211> 531
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-15-Q1-B1-B9
<400> 625

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naagaattcg gctcgagcaa aagaagaaga gaaacaacaa gaagaagtaa tggcttctc 120

taattctagc gatttgggtca ccaatttcac actcgcttca cttcgatcta cactcaggtc 120
gcacaaagtg tatcgccgaa gacatcaaaa gcaattcaat gactggttgg aaatacaaca 180
tcgataatcc tcacgaaggt caagctttac cacaaactca caaaatttcc gtcaaggtga 240
cgtctaattc cggtacaat taccatcacg cggaacaagt agattcagga caattcgcat 300
tctcggctgt tgaagcaagg tgattacatg ggctgggttca ctgctgttga tnaaaagccc 360
tgaaggttcn ttggagtaat tgactttgag tgggaagact ggggggtcaaa ccaaaagccg 420
gggtaaagtt gctaaaaaga atccagtcga agtttat 457

<210> 628
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-15-Q1-B1-C6
<400> 628

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gggacggcta atgtggtgcc tcaacctatg tgggcggttg cgccagggaac tacgaatgga 180
ggtagtgctg tctggatgct tccgatgagc ggttcgggtg ggcgggagca gatgcagcag 240
cagcctggtc accaaatgtg ggcgtttaat ccagggaatt atccagttgg gacaggacga 300
gtagtaactg caccaatggg gtcaatgatg ttgggaggtc aacagctagg attaggagtg 360
gcagagggca acatggcggc tgcaatgcct ggcaattana agcgatggtt tgggccatga 420
c 421

<210> 629
<211> 380
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-15-Q1-B1-D1
<400> 629

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaaccaag 180
 cctcctccgt ccaccctaa acctcccacc aaacctcccc cgtccacacc taaacctccc 240
 acgacnaagc ctctccgtc tactccgaaa caaccacca cangcctccg gctacaacat 300
 ggccaacnag aanaccaagg ncnatccaa cagttgttan aacggcnata caaccancc 360
 gtcattagtc aacaagcanc 380

<210> 630
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-D10
 <400> 630

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 taaccaccgg cgctgaccaa aaagtaatcg attctcttcc cgagctgatc tctcaggtgt 120
 cttgaatctg aatctgtggc tatatttggg gctcgggtgt gagcaggaag ggagggggat 180
 attgtcaggg ttttaatgta cgtcagatga atagagcaac taatgttact ggagtagaa 240
 ggaggggggt tattctcagc gtccgcgtct gggatatagta agggattgac cttcttttcc 300
 tctgggtga aagacgtana taggcccatt agagttgtcc cgtggaatca ctaccangtg 360
 gttgaccaag agcctgancg tganctgtt cttcanctgg attctattaa gaancgantt 420
 tcccgcgggt gccctgcttc cttnaattgt tttgggggcg 460

<210> 631
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 631

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 tctctcttcc tttcttcat tctcttcac gtctctcttc tcancatctt atctttcatc 120

gtacggccaa gatccgtcac gatccccatc aagtttcgcc acgtcttcat caccggtgga 180
tcaagcggnat tccgtctcgc tctcgctcan cgtgccgtct ccgaaggcgc taaagtctcc 240
atcctcgctc gttcaactga aaagctcgcc gaagccaaac gatccatcca agctagctac 300
cgggtgctgag gtcgccacgt tctctcgga cgttcgcat tatacgccgt ttcgaaagcn 360
attgatgaat cgggaccgat tgangtggtg antgntaatc aangngtggt taatgggaaa 420
gagcttnaaa aacaangtcc tgaangaagg taaatttatg 460

<210> 632
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-15-Q1-B1-D3
<400> 632

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ggtgtaaaaa gacacagtac canaaggctt gcattacgtt ctgcaacaaa tgctgcagga 180
agtgtctctg tgtgcctcgg gggtactatg ggaacaaaca angtttgctc ctgctacaac 240
aactggaaaa ctcaagaggg tggaccaaaa tgcccttgaa aaaatctcnc ttcgntcccn 300
ttttanaata aaanttttca actatnacta aatttccttt gatnaatggt ttatntactn 360
aatcctaang ttgtnatggt angtcacten gtttcggat ttgatccaaa tccctaaaaa 420
a 421

<210> 633
<211> 383
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-D6
<400> 633

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gttgtccggt ggaggaagtg gctcttggtg tgccctgagac ggatgatcca agcctaccgg 120

tgatgacatt cagagcttgg ttcttgggtc tgacctcttg tgttctgctc atctttctca 180
acacgttctt cacataccgt acgcagccac tcaccatctc agccatcctc atgcagatcg 240
ctgttttggc catcggaag ttcatggctc ggactcttcc caccacttct cacaaccttc 300
ttgggtggag ttttaacctc aatcctgggtc cttttaacat caangnacat gtcaattaac 360
anncatectt tggcaaattg ggg 383

<210> 634
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-E1
<400> 634

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caaccaagtg catgtctcta aacctatctc ctctaaact ccaaaaccaa accaaatcca 120
aaccattcat ctccctacca accccaccaa aaccaaactg ctctctcgcc gtcacaagca 180
ccgcectanc eggagccgtc ttctcttccc tcagctactc tgagccaagc tttagccatc 240
caaacagatc gctcagctcg ctgcaagcaa acgccagtag cgacaaccgt ggcttagctc 300
ttctccttcc catcgtecca gccattgcat ggggtcctta aacatcctcc aancaagctn 360
tttaccaagt tcaacaaaga atgcnttgag aattaaangg tancctttgt tgggccaang 420
naattggngg ggngggcctt ggcaccgtc 449

<210> 635
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-E2
<400> 635

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ggcctttcag gaagaagggt tacattcctc tatcgactta cctgaggacc ttcaaggctg 120
gcgattacgt cgatgtgaag gtgaatgggt cgatccacaa gggatatgcct cacaagttct 180

accatggtcg tactggtcgt atctggaacg tcaccaagcg cgccgtcggt gttgaagtca 240
 acaaacagat tgggaacagg atcataagga agaggattca tgttcgtgtg gagcatgtgc 300
 agcagtcaag atgtgccnan gaattcaaag ctgaggaaag aaagaaaaac gatgaactca 360
 aaggctgcaa nccaaaagcc aattggtgag aacatcanca accaaagnga ncaacctaaa 420
 agggncccaa accaaggttt cagggnccaa gggaa 455

<210> 636
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 636

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 cgctcccgat ggttcgcgacg acctctcaat catccccatt aacgccaaat gtcacacttt 180
 cgcaccact cagctctctg cctccgtgat agacacgggc cttcacatgg cctcctcaga 240
 ctcccatcga ctcacctacc tctcaagcct cgtcgccggc aaacccaaaac ccacctccgt 300
 ccccgctcgcc tccggtaatc aagctccaca tcggaaacta cgtgggtccga gccaaaactc 360
 ggnactcctc canaagctaa tggttcaagg gcctaanaaa caagttaacg angccgtttt 420
 gggtccttg ccccnngg 437

<210> 637
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-F1
 <400> 637

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 tgcattgatt gaatatgcac gtttaactgg aaagccattt agggttttta gtttagatac 180

aggagatta aaccctgaaa cgtacaggct ctttgacgca gtcgagaagc agtacgggat 240
 tcgaattgag tacatgtttc ctgatgcagt tgagggttcaa gctttaagtg aggaacaaag 300
 ggtttgttct cattctaaga agatgggtca tcaaagagtg ttgcccgtgt gaaggaaagt 360
 tagacctttg cgtcctgccc ctaangggcn ttaaagcntn gnttacaagg gcaaaaangga 420
 aaaaaccaat cncccgg 437

<210> 638
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-F2
 <400> 638

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 ccgtcttcgt cgctaaattc ttccggcgtg ctgggtctcat gtcctttatc tccgctgttc 180
 cggattctca acgtcctgct ttgtttcagt cgttgctcta cgaagcttgt ggaagaactg 240
 tcaatccagt taacggagca atcggaatgt tatggactgg aaactggaat atctgtcaag 300
 cggctgttga aacagtgctt cgcggggggt ctttaagacc gattccggag cntctcaatc 360
 acggggggggg tttccccggg ttttccttgg ccaaaattta anaaac 406

<210> 639
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-F4
 <400> 639

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 attccaattc cacattttca agaaataagg aggcaaaaat gttcatatat gaattggaat 120
 tatttgtttt cttattaggc ctatcctgaa gccaaaggaa atgagatcgg aattcctcgg 180
 ggaattccaa ttccacattt tcaagaaata aggaggcaaa aatgttcata tatgaattgg 240

aattatttgt tttcttatta ggcctatcct gaagccaaag gaaatgagat cggaattcct 300
 cggggaattc caattccaca ttttcaagaa ataaggaggc aaaaatgttc atatatgaat 360
 tggaattatt tgttttcnta atangcctat cccgaagcca aagggaatg anatttgga 420
 atccccngg gggtagcgaa ct 442

<210> 640
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-F5
 <400> 640

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 atcgaggtgt taggctttta tgatccactc caaggcaaag aagatgcgga tagagtgagc 180
 ctcaaattcg acagaatcaa gtactgggta tctgttgag ctcaaccaac agacacagt 240
 gaaagcatgc ttttcagggc cggtttgata ncaccaaagc ctatggtagt gggtcggttc 300
 gaaaaatggg cagaatctac gagccaacat gtttcacca ttacangtga aatcntgaac 360
 taaaaantgt tgatgcgtn agcaanaaan aacnntttgg ggccggtttt aaaaggattt 420
 aagtt 425

<210> 641
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-G1
 <400> 641

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 atcgtgtgaa atctgtgtca atgtcaaagt ttacttctaa agaagttgaa gtacttcaaa 180
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ggcttccaga aaacagtaat gctgagagag ttcggaatt tatcaaaaat gtgtatgtgc 300
 aaaagaaata tgcaggcgca aatgatgcgg gcaagccctt cgaaaagata ncaggacaag 360
 ttaagttctg aagatatgac acnacgggca aantcctaac aatcctaata ccaaagnctt 420
 c 421

<210> 642
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-G3
 <400> 642

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 ctgttttggc tgtgacggat gatgtggtgt tacctgttag ctctgtttta gctataatga 180
 aagagcttgg aaaggaagtg attgagagtt ttgatectct gattattact caagcatcca 240
 caataaatca gtttcctttg gatgcttctt ctgtggaggc ggtattancc atttccaaaa 300
 catctgattt cccaaagtga taaaatatgt ggtgaattct caagaaacct tgaaacctgg 360
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<210> 643
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-G4
 <400> 643

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ttatatataa attcaccggg gaccagaat gagaagatgg aaactgttgg atnagaaaca 360
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<210> 646
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-H1

<400> 646

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tgtaagaaaa gcaatgtaat aaagcatcaa tacagattca ttcagaataa ttagataaat 180
ctgttccgaa aacaaaaaaaa atttaagagc cttgagccaa taaaaactaa gaaaattgac 240
tcaaaaacaa ataaaaaaaa tgaaattccc gatttcatat aagagctcca ttgtagaatt 300
cgggcctaatt gattaatcaa gaagcgatgg gaacgacggg aaccatgaat atagagggat 360
ccaattggaa aattaatcta anaantcaat tgggcaangg ttgnnggata aaccannnt 420
tattaccaat cctaattttt 439

<210> 647
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-H4

<400> 647

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aggctgcggt ttccctgagc tattggctag gaacggagtg aanttcggag aagcggtttg 180
gttcaaggct gggtcacaga tcttcagcga cggangattg gactacttgg gcaacccgag 240
cttgggtccac gctcagagca tcttaaccat ttgggctact caagttatcc tcatgggaac 300
tgttgaaggc tacaaantcc cccggagatn gtccaattgg gagaaagcag aggacttgcc 360

ttaaccaagt tgggagcttc nacccaattg ggcctcgcta acggaccccc aagggnnttcc 420
ccggatttaa aggtaang 438

<210> 648
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-H5

<400> 648

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cacttggtga gttggtttgg tgaaagtctt ccagtcgact tattacaacc gctacgggtg 120
tggagccaac atgctctccg acggatacaa tgttggcggtt ggggttggtg ctgagattat 180
cggcactttt gtcctcgtct acaccgtctt ctccgctacc gaccctaagc gaaatgcccc 240
tgactctcac attcctgtat tagcaccatt gccaatgga ttttccgtgt tcatggttca 300
tttagccaca attccaatta ctgggcaccg gaataaaccc ggctangagt tttgganctg 360
ccgtcatcca naacaatcaa a 381

<210> 649
<211> 155
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-032-Q1-E1-D10

<400> 649

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aacagaacag agaaagtaaa atcaggaggg aaactagcgc cacagagtaa ttcaagtttc 120
atgaacaatg gagaagacaa gcacaacctt caaaa 155

<210> 650
<211> 300
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-032-Q1-E1-F7

<400> 650

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catttgtttg aagagtacaa cgctaaacag aacacacaaa ataaaatcaa gagggaaact 120
aaaccaaaaa ctaatttaag tttcatgaaa aatggagaaa acaagcacia ctttcaaaag 180
ccaataaccc ttattaatac tgatatttgg tcaacttcat cagaagacca atatctcaaa 240
ctgttccact ctgcgaccac agaccagcac aaaatcacia gtagatccga acctgaaccg 300

<210> 651
<211> 320
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-025-Q1-B1-C5
<400> 651

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acagtacctc acttaggcaa tcttggaacc aagcgtacag ggctgtcaaa ggaccaatct 120
gactacttca gcattccaat tgcgggacca tacaatctc atcaccagag gtacttgata 180
gagatagaga gtgcacttcg cgggttcatgt tcggatccac atgtagtttt gtgttgggtt 240
gtggtgggag agtggaacag tgtcagatat tggatcatcg acgaatttaa ccagggtatca 300
gtactagtac gggttatttg 320

<210> 652
<211> 307
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-01-Q1-E1-G6
<400> 652

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aacagagcac acgggataaa atcaagaggg aaactaaacc aaaaactaat ttaagtttca 120
tgaaaaatgg agaaaacaag cacaaccttc aaaagccaat aaccttatt aatactgata 180
tttggtcaac ttcacagaa gaccaatctc tcaaactgtt ccaactctcc accacaaccc 240
aacacaaaac cacaagtaga tccgaacctg aaccgctttg tcgactctct ctctctctca 300
gtacctg 307

<210> 653
 <211> 314
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-032-Q1-B1-D10

 <400> 653

 ttgacatgct tggacttgag acttaccctg gtgtgaagcg tatcaccatc aagccacaga 60
 ctgacaggtg ggtgttccca gagaccaagg ctggaatcat tgtcttggct gagggtcgtc 120
 tcatgaactt gggttgtgcc actggtcacc caagtttcgt gatgtcgtgc acgttcacca 180
 accaggtgat tgcccagctc gagctctgga acgacaaagc aagcggatag taccagaaga 240
 aggtgtacgt tcttccccag cattttgatg acaagggttg attagtctca cttgggcaag 300
 cttggagcca ggcg 314

<210> 654
 <211> 368
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-A3

 <400> 654

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 ttgcattact tcaattgggc aagcttggag ccaggcttac aaagctgtca aaggaccaat 120
 ctgactacgt cagcattcca attgaggggac catacaagcc tcctcactac aggtactgag 180
 agagagagag agtcgacaaa gcggttcagg ttcggatcta cttgtggttt tgtgttgggt 240
 tgtggtggga gagtgggaaca gtttgagata ttggtcttct gatgaagttg accaaatatc 300
 agtattaata agggttattg gcttttgaag gttgtgcttg ttttctccat ttttcaagan 360
 acttaaatt 368

<210> 655
 <211> 361
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-021-Q1-B1-H2

<400> 655

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tgtcatgata gctggaaagg ttgctgttat ctgtggatat ggtgatgttg gaaaggggtg 120
tgctgctgcc atgaagactg ctggtgctag agtcattgtg actgagattg atcccatctg 180
tgcccttcaa gctttgatgg aaggacttca ggttcttacc cttgaggatg ttgtctcaga 240
agctgatata tttgtcacca ccaccggtaa caaagacatc atcatggtcg accacatgac 300
gaagatgaag aacaacgcta ttgtgtgcaa cattggtcac ttgacaatg agattgacat 360
g 361

<210> 656

<211> 378

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-06-Q1-B1-C9

<400> 656

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ctcatgaggg cactgatgt catgatcgct ggaaaggttg ctgttatctg tggatatggg 120
gatgttggaagg ggttgtgct tgctgccatg aagactgctg gtgctagagt cattgtgact 180
gagattgata ccatctgtgc ccttcaagct ttgatggaag gacttcaggt tcttaccctt 240
gaggatgttg tctcagaagc tgatatcttt gtcaccacca ccggaacaa agacatcatc 300
atggtcgacc acatgaggaa gatgaagaac aacgctattg tgtgcaacat tggtcacttt 360
gacaatgaga ttgacatg 378

<210> 657

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-032-Q1-B1-F7

<400> 657

cggctcgagc cagccgccc cagccatcgc tcgtgactcc gccgctgttt tcgcctggaa 60

aggtagact cttcaggagt actggtggtg taccgagcgt gctctagatt ggggtccagg 120
 tgggtggctcct gatctgattg ttgatgatgg tgggtgacgct actcttttga ttcattgaggg 180
 tgttaaagct gaggagatct ttgagaagac tgggtcaagtt cctgataccta cttctactga 240
 taaccttgag ttccagatcg tgttgtctat tatcaaggaa ggtcttcaag ttgatacctaa 300
 gaagtaccac aagatgaagg agagacttgt tgggtgtctct gaggaaacta ccactgggtgt 360
 taagaggctt taccagatgc agcaaatgg aactcttttg 400

<210> 658
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-01-Q1-B2-G6
 <400> 658

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 tgagacttac cctgggtgtga agcgtatcac catcaagcca cagactgaca ggtgggtgtt 120
 cccagagacc aaggctggaa tcattgtctt ggctgagggt cgtctgatga acttgggttg 180
 tgccactggg caccgaagtt tcgtgatgtc ttgctctttc accaaccagg tgattgcccc 240
 gctcgagctc tggaacgaga aagcaagcgg aaagtacgag aagaagggtg acgttcttcc 300
 caagcatttg gatgagaagg ttgcattact tcacttgggc aagcttggag ccaggcttac 360
 aaagctgtca aaggaccaat ctgactacgt cagcattcca attgaggg 408

<210> 659
 <211> 373
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-023-Q1-B1-D2
 <400> 659

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 aagagtcacc aacgaggggtg tccagaaggc tgctgctgct ttgaagggtg ctgaccaccg 180
 tcgtgcaacc aatgttagtg ctaggctaga tgctcagcag aagaagctca atctcccaat 240

cctaccaacc acaaccattg gatccttccc acagactgta aagctcagga gagttcgtcg 300
 tgagtacatg gccaaaaagg tctcacagga ggacaacttt aaaccaatca aggaaaaatt 360
 cacaaaaattt gtt 373

<210> 660
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-14-Q1-B1-H1
 <400> 660

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 agggatatgct tactgggtccc gtcaccattc tcaactgggtc ctttgtcagg aacgaccagc 120
 ccaggcacga aacctgttac cagatcgctt tggccatcaa ggacgaagtc gaggatcttg 180
 agaaagggtgg aatcgggtgtc attcagattg atgaggctgc acttagagaa ggactaccac 240
 tcaggaaaatc cgagcatgct ttctacttgg actggggcgt tcactccttc agaataacca 300
 actgggtgagt ccaagacagc aaccagattc acaatcaaat gtgctactcc cacttcaaag 360
 acatcataca ctccatcatc gaca 384

<210> 661
 <211> 243
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-027-Q1-B1-G5
 <400> 661

aaaaataaaa aaaaaaaaaa aaaaaaaaaa aaaaattaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaacat ggggtaatag aaaaataggg ccggcccca cctattaacc tcttcacccc 120
 ggaattttatt tccggccttt tctgtgttgg gttaccagtt ttctaatgt taatcccttt 180
 catcccttgg gttatccagg gacaaaaattt ttctgtgttt aaatttttta cccgtcgcaa 240
 ttt 243

<210> 662
 <211> 223
 <212> DNA

agtagtagtt ccttatttta cgaagctcnc ctcggttaca gcattgaaga cgttcgt 297

<210> 665

<211> 342

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-022-Q1-B1-D5

<400> 665

acaagccaga gattactgta gacttggaag actatgggtg cagagagagg acatttgagt 60

ctctaggaga agagagtgga acagtgatgt atcagacggt tgagaagctt ggtaagtact 120

gtggatcgcc tagatctacc ttgaagtgtg aatggagcag caacaatagc tgcagcagcg 180

aggacgagaa ggacgaggga atctagcaga atttttcttc ctaataacta ttttcgagct 240

ttctgttttt gttctttctt tttaaaaaac ttattaagtt cttatgaata atgacttggt 300

aagtttgagt tcgtctcctt cacaagcaag ttgtattggt gt 342

<210> 666

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-14-Q1-B1-C3

<400> 666

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gtttataatt ttctttcttc aaagctcctt ttctgctggt tcccggatcc aatcggtctc 120

tcctctact acaagtcttg tcgtcacac aacaaggcga gatggcctta tctgcaatcg 180

gtttcgaagg ttacgagaaa cggtcagagg tgactttctt tgagccaagc atctttcaag 240

actccaaggg actgggactc cgtgctctga ccaagtccca gcttgatgaa attcttacac 300

ctgctgcatt cagcatggtt tcattctctt ccaacgatca attggactct tacgtactct 360

ctgagtcag cttctttgtc taccctaca aagtcacat caagac 406

<210> 667

<211> 236

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-10-Q1-B1-F5

<400> 667

attgattcca gacaaggaga tactaaagat tgtgaaggag agcttcgact tcagaccagg 60
aatgatgaca attaaccttg acctaaagag aggaggaaac ggaaggttct tgaaaactga 120
ggtttgtccc aactgtgtga catgcctacc tcacatcacc tgtgaagtcg gcatcccact 180
caagtgcggg acaccgcagg cttaaattta cctactctgt ttctgtcttc attcca 236

<210> 668

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-09-Q1-B1-C5

<400> 668

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cttcttcgag atctgatcgc cgaatctcag aatctcccat cgaagcagaa tggagacttt 120
tctattcaca tctgagtctg taaacgaggg acaccagac aagctctgtg accagatctc 180
tgatgcagtc ctgatgcct gccttgaaca agaccctgac agcaaagttg cttgtgagac 240
atgcaccaag accaacaatgg tcatgggtctt tggtgagatc actaccaagg ctactgttga 300
ctacgagaag attgtccgtg acacctgtcg cgccattgga attgtctctg aagatgttgg 360
tcttgatgct gacaaatgca aagtcctagt caacattgag caacag 406

<210> 669

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-11-Q1-B1-F10

<400> 669

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cttcttcgag atctgatcgc cgaatctcat aatctcccat cgaagcagaa tggagacttt 120
tctattcaca tctgagtctg taaacgaggg acaccagac aagctctgtg accagatctc 180
tgatgcagtc ctgatgcct gccttgaaca agaccctgac agcaaagttg cttgtgagac 240

atgcaccaag accaacaatgg tcatgggtctt tgggtgagatc actaccaagg ctactgttga 300
ctacgagaag attgtccgtg acacctgtcg cgccattgga tttgtctctg atgaagttgg 360
tcttgatgct gacaaatgca aagtcctagt caacattga 399

<210> 670
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-E9

<400> 670

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gccattggag tccctgagcc attgtctgtc tttgtggaca cttatgagac tggattgatt 120
ccagacaagg agatactaaa gattgtgaag gagagcttcg acttcagacc aggaatgatg 180
acaattaacc ttgacctaaa gagaggagga aacggaaggt tcttgaaaac tgcggccttac 240
ggacactttg gaagagacga ccctgacttc acctgngaag tcgtcaagcc actcaagtgg 300
gacanacctc aagcttaaat ttttactact ctgtttccgt cntcaatcca caaaccaatt 360
atctgggtcaa ttttttaatt ccccgttttt ggggggtaat gggttt 406

<210> 671
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-02-Q1-B1-F10

<400> 671

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aaaatggaat cttttttgtt cacatctgaa tccgtcaacg agggacatcc cgacaagctt 120
tgtgatcaga tctccgacgc tatectgat gcttgccctt aacaagaccc tgagagcaaa 180
gttgcttctg agacttgtac caagactaac atgggtcatgg tttttggaga aatcaccacc 240
aaggctaacg ttgattacga gcagattgtt cgtaaaacat gccgtgagat tggattcgtc 300
tctgctgacg ttgggtctaga tgctgacaat tgcaagggtc tgggtaacat tgagcaacag 360

agtcttgaca ttgcacaagg tgttcattggt catctcac

398

<210> 672

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-01-Q1-B2-F4

<400> 672

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aaaatggaat cttttttggt cacatctgaa tccgtcaacg agggacatcc cgacaagctt 120
tgtgatcaga tctccgacgc tatectcgat gcttgccctg aacaagaccc tgagagcaaa 180
gttgcttggt agacttgtag caagactaac atgggtcatgg tttttggaga aatcaccacc 240
aaggctaacg ttgattacga gcagattggt cgtaaaacat gccgtgagat tggattcgtc 300
tctgctgacg ttgggtctaga tgctgacaat tgcaagggtc tggttaacat tgagcaacag 360
agtcttgaca ttgcacaagg tgttcattggt catctcacca agaag 405

<210> 673

<211> 381

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-024-Q1-B1-G8

<400> 673

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actcaagtca ctattgagta catcaacgaa agcggagcca tggttcctgt acgtgtccac 120
actgtttctca tctcaacaca gcatgacgag actgtgacta acgatgagat cgcagctgat 180
cttaaggagc atgtgatcaa gccagtgatc ccagagaaat accttgatga gaaaaccatc 240
ttccatctca acccatctgg tcgtttttggt atcggagggtc ctcatggaga tgcaggggctt 300
accggccgta agatcatcat cgatacttat ggtgggtggg gtgcacacgg aggtgggtgct 360
ttctctggaa aggacceaac c 381

<210> 674

<211> 357

<212> DNA

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 tgtgaaggca aggctttgag gatgtctttt acaggaactc aacagaaatg caaggcttgt 240
 gagaagactg tttatgctgt tgagcttctc tctgctgatg gagttggata tcacaagtct 300
 tgcttcaa at gcactcactg caaaagcagg cttcagctga gtagttactc atcaatggca 360
 ggtgtattgt cctgtaagcc tcattttgag cagctcttta atgagagtgg cagtttcaac 420
 aacaact 427

<210> 677
 <211> 286
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-029-Q1-B1-C2

<400> 677
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 aaatgcaagg cttgtgagaa gactgtttat gctgttgagc ttctctctgc tgatggagtt 180
 ggatatcaca agtcttgctt caaatgcact cactgcaaaa gcaggcttca gctgagtagt 240
 tactcatcaa tggaagggtgt tttgtactgt aaacctcatt ttgagc 286

<210> 678
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-022-Q1-B1-H10

<400> 678
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 tcaatggctg ataggatcaa aggtccatgg agtcctgaag aagacgagca gcttcgtagg 120
 cttgttggtta aatacgggtcc aagaaactgg acagtgatta gcaaattctat tcccggtaga 180
 tcggggaaat cgtgtcgttt acggtggtgc aaccagcttt cgccgcaagt tgagcatcgg 240
 ccgttttcgg ctgaggaaga cgagacgatc gcacgtgctc acgctcagtt cggtaataaa 300
 tgggcgacga ttgctcgtct tctcaacgggt cgtacggaca acgccgtgaa gaatcactgg 360

aactcgacgc tcaagaggaa atgcggcggg tacgaccatc ggggtta

407

<210> 679
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-022-Q1-B1-D1
 <400> 679

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 gttaaatacg gtccaagaaa ctggacagtg attagcaaatt ctattcccgg tagatcgggg 180
 aaatcggtgc gtttacgggtg gtgcaaccag ctttcgccgc aagttgagca tcggccggttt 240
 tcggctgagg aagacgagac gatcgcacgt gtcacgctc agttcggtaa taaatgggcg 300
 acgattgctc gtcttctcaa cggtcgtacg gacaacgccg tgaagaatca ctggaactcg 360
 acgctcaaga agaaatgcgg cggttacgaa catcgggggtt a 401

<210> 680
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-019-Q1-B1-G3
 <400> 680

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 ataggatcaa aggtccatgg agtcctgaag aagacgagca gtttcgtagg cttgttggtta 120
 aatacgggtcc aagaaactgg acagtgatta gcaaatttat tcccggtaga tcgggggaaat 180
 cgtgtcggtt acgggtggtgc aaccagcttt cgccgcaagt tgagcatcgg ccgttttcgg 240
 ctgaggaaga cgagacgacg gcacgtgctc acgctcagtt cggtaataaaa tgggcgacga 300
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 tcaag 365

<210> 681
 <211> 377
 <212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-02-Q1-E1-G10
 <400> 681

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 gagactttgc gatgacgaga gcatcattac tgactagcgc caagccactt ggtgaagtta 180
 tcgaactcgg tgtagtcact gtctgaaatc atagtctgat accaagcctt gcctgctgct 240
 ttgatcgctt gggcctcctc cttagtgaag actttcctct tcttctcgag cctctccttc 300
 ttagccttaa cccttgaagc ttcagccaac agagacattc tctttgcggt cttagcataa 360
 ggattcaact tgaacat 377

<210> 682
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-033-Q1-B1-A7
 <400> 682

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 tacaatttga cagctcaatg actgaactct ctggagagcc atgtgaagac cagtgtgtcc 180
 atcaggggac acctgcacac ttacaggttc tgtgacaatg tctggacctt catattacag 240
 gacgcaatgt tcaagagtga cgatcgtcaa gagaatgtga cccgggtgaa gatagtggca 300
 tgtgattcga agctgctcac acagtgaaga tgcaaattgt ctgcaggga tttaccttcc 360
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<210> 683
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-12-Q1-B1-C2
 <400> 683

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ggcatgtgac aaaacagttt atcttgtcga caagttaacc gccgataacc ggggccacca 120
caaagcttgt ttccgatgtc accattgcaa aggaactctc aagcttagca attacaactc 180
ctttgaagga gttctctact gcagaccaca ttctgatcaa aacttcaaga gaactggaag 240
tcttgagaaa agcttcgaag ggacacaaaa gattgggaaa cctgataggc ctttggaggg 300
agagagacct gctggaacca aagtttcgaa tatgtttggt ggaacacgag agaaatgcgt 360
tggttgcgac aaaaccgtgt atccaat 387

<210> 684
<211> 392
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-031-Q1-B1-E8
<400> 684

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atatcttcga ttctcttggt gatattgttc ctagggaaga gatcaaggaa gaggaagatg 120
cagcatcggc tcttggtgga ggaggtatgg ttgctccgc cgcgagcggg gttccttatt 180
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attcagctgg tgggtggtgat gatgtgtctt atggaagtgg aggaagtagc ggccatggta 360
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<210> 685
<211> 382
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-14-Q1-B1-A11
<400> 685

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gaatatggag aggattaaag gtccatggag tccagaagaa gatgatctgt tgcagaggct 180

tgttcagaaa catggtccga ggaactggtc tttgattagc aaatcaatcc ctggacgttc 240
 cggcaaattct tgtcgtctcc ggtggtgtaa ccagctatct ccggaggtag agcaccgtgc 300
 tttttcgcag gaagaagacg agacgattat tcgagctcac gctcggtttg gtaacaagtg 360
 ggctacgata tcacgtcttc tc 382

<210> 686
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-C4
 <400> 686

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 attcaacatt tcaagccatc aacaagacta ccatagaggt gctatagact tttagcaatt 120
 tgtagaagac aaaaaacgag agagagagag agaagaatct gaaaaacaaa aatacaacaa 180
 aagtttgggtg tgcaataaca aatagtaata catgtttttg gtaaagaaga gcattgatag 240
 agagaaagat ttacttcttc taaggtttat aaaagagtgt tttttgagtc catgtaatca 300
 aatccagtct tcttggaaga agcttatttc tactactcat cnaangngct caagaaccn 360
 ccaaaggaaa ccagctccaa atggcagtn cca 393

<210> 687
 <211> 342
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-C5
 <400> 687

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 agctgggaga taaggccct tcagtgccaa taatacatc atagttatga tgaacaatga 120
 gcatcactact aaaaagtgt aaaaactatgg tttctgagtt ttgaaaatgc tacaagaata 180
 tcataagatg agggagggtc atatcactta agtaactgtt gcagttatct cacaaaagt 240
 ttgtcgttgt cgcgcggttt tancggatta ttttaaanta caanagacgc tgattcatca 300

gtggaaaaca aatcctccgc ccgagtgttc aacttctga ng

342

<210> 688
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-B9

<400> 688

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tacttggagt acacctcctt acaactagaa acaacatgga aacaaacgtg gagtaacaac 120
ttctacaaac ttggaaaaga tggaaactgt aatcgtggaa gactccttgc ttattgtaac 180
taaatacgaaa acagagacta agtaaaatga cttagtgttg ggaatacttt ggattgggca 240
tgcgagnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnngcataa atcgtncgtc cntggttgat atctcggtta agcaantttg tccaccagnc 360
ttcngagtcn tccagcagcg gnaaacaan cgccgggaga agttcgcnc 410

<210> 689
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-C6

<400> 689

tttttttttt tttaaaaaaa agagaggtaa atttgatatt tgggaaaaaa atttacaagc 60
agtcataata ttatataata aatcccgttt taaaccatc aaataaaaat taaaaaaaac 120
cacttcacgc aactttacct tatgtgtata aaatatatat ttttgggtta agaagaacaa 180
gctatgatca gaatcaagga aggtagagac cactctgac ttggtcagac gacgtccatt 240
gactttgact ccagtatgca tgatcaacgg tactgggtta atcaaacagt gtttgatctc 300
caccgccact tccccaatcc aacgggttca aaaccatan tcggntncga aanatcntcc 360
tttaaaantca acctggggcca ttccgttccc aa 392

<210> 690

<211> 284
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-047-Q1-E1-C7

 <400> 690

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 aagaaacaaa gaaagagAAC ctaagaaact ttcaaaaaac aacattgaag aaagagttgc 120
 gaagtgttaa gtattcatgt tttcttgaaa aatttccac ctttttcccc aattccggtc 180
 cctgtaaggc ttgaagagag atgggatctg gtgtctggtc tccactgcaa ttctactaat 240
 gctgagaaca gagctgacag cgaaggagag acttctgctc gagc 284

<210> 691
 <211> 349
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-D12

 <400> 691

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 ttgtanaaaa tagaaagcca aaataaccaa aaatgaaaca aatttaagtc gtaagaaaga 120
 gggaccagtc gatctctttg tatcttttct ctccatttct cgaccgaaca agtccataag 180
 tgtcaagctc aagcatatca tctcaaaacc tggacaagac tcatggtaca accaaaaaga 240
 cacaaaaaca aactttgatg caacaaagat tcgacatgaa tacaaatcac gagattaata 300
 aaacacaaac tatatcactt cttanaatgt ctttttagtt naacgagtt 349

<210> 692
 <211> 358
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-F1

 <400> 692

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actaactatc gccaatgaac gaaacccttg aaaaccgaag acaacaagag attacatctt 120
tagcatttga cacgaaacca aaagaaaaaa aaaaaaaga gtttgaatca tgttgtaaac 180
attantattg ngtaattttg cnccatcatc taaagaagaa cctcaagagt aaagaaattc 240
gtaactcgaa aatgggggttt ggtttgcttc anacggagat accataattg ntgatcttgg 300
ttcacttctt ttggcaaagc gtttcnccncc ntgcttcact tcaacanagc acggcttc 358

<210> 693
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-047-Q1-E1-F12

<400> 693

tttttttttt ttaacagaaa gatattacaa tttatactgt aaaaatttat aaaaatataa 60
tttttctttt tcttttcgat atatctaaag gtctccgaaa aatttagcaa aattgtcaat 120
agcatttttt gcagcgaaat tacgagcagt ttctttcttg acaggatggg gaccacatcc 180
aacaacttta tcttcaatat ggaaacaata ggtttgattt tcttcccaag tgtcttttga 240
cgtcaatttc aagtctctct tctgacacat ctcatgagt tctgtcattg gatggctctt 300
cattttgtct aaatgtatta ttggctccaa caatggtttt atcaccttcc agacgggtctc 360
gggtggagtt gcaatccatg aagata 386

<210> 694
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-F7

<400> 694

tttttttttt tttttgacac attcagagtg ttcttattat cgaaatctac taaaatgtca 60
acaatggagt acagaaccaa agtagtatca acaaaccac aatatgacct gaaacaaaag 120
ctaaacaagc agcatgatga agaccaaatg tattgtcggc taatttgaaa cgatcaagac 180
tagttgcagg ctcgggatac catcacgacc agcataacga tgatggatag caggaccgaa 240
gtggtcagct tttcctcgag ccaattgttg aatttggcat ctttcccctt gttgttaaca 300

ccatcaccat tgtaacaatt gaagagctcg gtcacgacct ttggtatattt caciaaacact 360
tccgtggggc ctaaacantg gggtgtcnaa tacccaac 398

<210> 695
<211> 328
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-G1

<400> 695

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngaa 60
aatccttgag aaagaaaaaa gaagcagata tgaagatttc acaatgcac agaagctttt 120
tatctacatt atataattac tccctcnaaa gcttccttag tagacttcaa cattccactg 180
ttcactcctc ttcaattgct tcttgctact caaccaatcg atcccatctt tagcagcaag 240
cgagaccata atgtcatcga tacccttctc cataccctta agaccacaca tgtaaacaaa 300
gggtgtgtct ttcttcagca actcncac 328

<210> 696
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-G12

<400> 696

tttttttttt tttttggtta aaaatgatga agtaaaatac atttttttaa ctatcaatga 60
caatgattga gtgtctttgt tgttaagaac aaaacacaca caatggttct caaaatacaa 120
caactgatct gtcacgact gcaaaatctt tcacacttga agaagactca attctgtttg 180
tagctttctt ggctcttca tcccaatttg taaaaatagt gacgaggcca angacacaaa 240
acttgaacaa cgagggcaca tatgattcca agccaaagcc cccgaccacc aacgtgaaag 300
tgaaaagcaa gtaacaatcc tgaaggaact ccaacaagga taatatggaa ccaagattta 360
aatgattggg cccaaacttc tgnatccaa aatctctaac caa 403

<210> 697
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-G2

 <400> 697

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tttttttttt ttttagaata aattttttata aggaaaaaca gactccacaa agcatttgaa   60
aagacacacc aaatcactac tcatcacctt aataaaacat atacatccca actgaagaaa  120
agcctcgaca aaaagactct ctttaagaac acattttatac ggtatggcaa caactgaaac  180
cgaaccaaat cttccattgt tgcnattgca cagaanaatc aggcttctg ggactggtac  240
agctgctgct gttgatgacc tcaacaatgg ttgaacgagc ttttaccaca ntgctcatgt  300
ttgggcctaa actctgantic anattggcan acacnaatgc ctgctactgc aacgagcctt  360
gnaac                                                                    365
  
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<210> 698
 <211> 259
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-G6

 <400> 698

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngaacttca cattagatag   60
aatctcagca gacagctcaa ttgcttggtt gaaaccattc tctctccgt aagaaacatc  120
aaccacattc aatatcttag cttgaagacg aggatcaaac agttctgatt gacttagctc  180
ggtcttaaaa tccgctgaac cagcaagtat aagaccagag acattaggct gacncgtagc  240
tggattaatg taaaactga                                                    259
  
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<210> 699
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-H11

<400> 699

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tggggccacgt actcctagat ccttagcatt cttgaacgtt cggattggta tgttgtcaac 120
aaagaatacg atctggtaca tgttccaaag gattgagtaa gtgtgataag ccttagaagg 180
atcaaaccag agatagattc gttgttctct gtttcccttt cctcctgtga atacatttgt 240
ctgtaataata gctggttgct ctgttctgtt tccaaggaac tcaaagtcta tctcgtcagt 300
ctcattgttg gtagatgata agatagaaag ctgtgacaac tccggctgtg tcaccanctg 360
ggaactttat gtgnaatacc aaaatgttca a 391

<210> 700

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-047-Q1-E1-H4

<400> 700

tttttttttt ttttgaaag aatgcccttt ctgtgtgttt tatctacagt aacacatcag 60
cgaaatgctt tgatgaacaa tgcgatatta ttcttatgaa ctgtgtgggt ggatacatct 120
ggattctgtt tctcagtagt cagctctcag ttcttagtta gctgtcgtg gatttgtttg 180
ttaggctcaa cagtactccg gtactgagag aaagtgcac gacaccaagt gatgcctctg 240
ttgatatgtg gaagccaaag aatcaagga tcatcttgac tctatgaag ccaagaacaa 300
ctgctattga tggctgcaag tattccagct cgtccattcc ttcagaaatc agtgtataag 360
agagaacctt antccctaag gattgcaaaa gagaattaga agtccaagga caa 413

<210> 701

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-047-Q1-E1-H6

<400> 701

tttttttttt ttaaaacaaa taaaccagac catgtattgc ctattgccag ggtagactgg 60

ccggtcagga tttcgaaaac tggatatagta aacaattctg gacggaggcg aaacattaac 120
aaagaactaa aaagacttgt ccttgacact cgattagaaa agaaaaaaac agtctatgcg 180
acacgtcaca gagcaaaacc cctatgtgag acagacagat agaaagatat gtaaagcccc 240
agctgcaaaa cctgtaaatg gaagtaccaa accattctct cttctcactt gaagcacttg 300
gcggtccaaga gagcctcacc ttcaaattggc tctgcgtctt caatcatccg ggctaacacg 360
ctccttcttg gggtcaaccn gaaatttcaa cccttagtnc aatca 405

<210> 702
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-H8

<400> 702
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnggccatt 60
gacattgtca tttcttacia aacacgaata tgtttacaca ggggtgttaca atacgaanaa 120
nccaatggta ncgaaagatg gaaatattgt acgatacaag agacataaaa acacatgaga 180
tgatgatcac ctacgtggaa cttgaggctg gtcaagacgt tgttgttgac gggatcagcc 240
aagtgatcaa gcaggttctg ataagggtccc acaccgggtca ctagtctctg gataaagtaa 300
ccgaggggatg gggagcatan ccagtctacc gtncttgacc ccctgagnt cnaaacccct 360
tcagggtgncc ttcccnacct ttcccaaacc ccaaagnngg g 401

<210> 703
<211> 388
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-C3

<400> 703
antcgtatta caaataattc caattcatat atgaacattt ttgcctcctt atttcttgaa 60
aatgtggaat tggaattccc cgaggaattc cgatctcatt tcctttggct tcaggatagg 120
cctaataaga aaacaaataa ttccaattca tatatgaaca tttttgcctc cttatttctt 180

CCNA 101-105

gaaaatgtgg aattggaatt ccccgaggaa ttccgatctc atttcctttg gcttcaggat 240
angcctaata agaaaacaaa taattccaat tcatanatga acatttttgc ctccttattt 300
cttgaaaatg tggnaattggg attccccagg ggattctnca agatcgacct gcaaggcaat 360
gcaaactttg tcctcncccc ttttaggtg 388

<210> 704
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-C5

<400> 704

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attactaaca tactacaagt tgagaaacag taggaccaat gtacatttac tcactttag 120
gatgaaatat acatttggaa acttacatga gaaaggccta aaatgttcat ttcttggaga 180
gcattttatc tatttggccg tttttgttgt acatttccac tatctttttg gcatatgatg 240
gcatgtgggt gtttgcctct tgctttcccc atttgcggtt tacgtacaaa tagtttctga 300
tggtatggta gtccaacgag taccgagcaa attctanacc cttaggacca accaaattta 360
ngatnaacnc aanaatgttt ccaacaaana gtggnccccg gntnaacnag acccttgacc 420
aaact 425

<210> 705
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-C6

<400> 705

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nnnnnnnnnn nggnacagca agaaaacata agggncanat tagtcatgac aaaaaaact 120
tggttttaag ctttttgnta ngacttgcaa ggacacncaa caatagccac gcgaaagaaa 180
aataanccaa aagaaaaaaa aaagagttga agaganaatc ngagacaaga agagctaata 240

cacatccact tcaataattc attcaccatt gtcaaacggt tacagctttc tacaacttca 300
gctcgatcac gacttacaca tcatgcttca cngctgttgc cgctgggtatc caccaggctg 360
ctggnanttt ccaaaagccg cccccagcan aaccaccgta gtagngtta 410

<210> 706
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-B8

<400> 706

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnncaag acnganatgc ttcatccat anaaagaaag aaaaaccatt acataaattt 120
agcaatgana taattgcana gaangtcnca tctaanagta tcgactacaa caacagcaac 180
aaciaacacg ttcaaagcaa aactcagaga ataaactaat cccagttttg cccctaccaa 240
aagaatctac acanggactt agattctcca gtctcaatgt gcttcttctt cttctctatc 300
ttctttcttg ggttacaata acaaaccctt cccaagctta nttacanana aancacaact 360
ccgcaaattg ttgaacgggg tgctgcngnc ccttggaana nctccacgg 409

<210> 707
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-D2

<400> 707

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gtaaacaaag atccaactca atattactat aacanaaaca aacgcattac aaacttataa 120
aaactccatt gatttaaatt atttcgttta acaaccatcg tcatataaag gttcaaggac 180
atttggtatt tccaccacgt gtcttcatgt tggcgtaaca agatccacac ttctccttat 240
taccgtaggt gcctggggga acacacttgc aagcggtagc agcacgtgac gcacgtcttc 300
atacatagct tctctctcga gtgttgccca cacctcgtcc cacataaagg cagcgaatct 360

atccngagtt cttacgggga ngttgtgttt ggnnngtttt gacangggcg ggctgttnaa 420
gtgggttaaa 430

<210> 708
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-E5

<400> 708

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caaaacatga gcagatagat tttgtatcta tgggaatcgt tacataatcc ataaataatt 120
caaccataaa acgatgatct ctcaagattt aagtatccag atcttacgat tcattcagat 180
gactgaaaca aaaccaaga atatttggtc gcatattatg aacacttgaa acagagcaac 240
aagtagagca tttcacccat tatcacangt accatanata aanccaacca taagntagca 300
aanccaaagg aagagtccta atccggaacc cancaggaaa aanccaacta ccaannngat 360
ggaggnnttca tcataantag gcaaaaaggt ggggtattng agaga 405

<210> 709
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-F3

<400> 709

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tttttttttt ttttttgtat caataacgcy acaatgttct caaatcttca atacataaaa 120
attgcaaagc aacttattat ttggtacatg ataagtaaaa cagtttcaac aacatattga 180
tccgtgtaat ggacaaaaac agatcaagct gagttaagt gagctccaag ttcggtagag 240
ccttcacggt tttgaaacac gatcacgtat agtgcataaa ttatccctgg gatgtatcct 300
aagattgtca gcaccaagca aatcaagaac tctacagtgc aacagccacg tttgagacaa 360
actccaagag gtggaagaag gatngccatt aagatntcgc agaaaacttc catgttgccc 420

gncaattttt caganaagtt gngtnaaaga aagatcctga atgttattct ggaattantg 480

<210> 710
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-046-Q1-E1-F8
 <400> 710

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncaccac accaattatt cgcataaata 120
 gtatagatat atcaaacgat ccaattcggg ttcagtttag aaaccgtgga tcttgatctg 180
 atccttctta gcaatcccag tttggaccaa gaactgagac actttcttcc tttgatcacc 240
 ttgaagctgg atgatcttgc ctagtctctt gtcctgcaca acgttaccgt tgcagcagaa 300
 atctttcttc aaatccttga gaatcctctc gtagctgtac tctttcttaa gcccttgaac 360
 agtcgtcaag ctctttttcc cattcctcct gctgggattc gaatgtgaat 410

<210> 711
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-046-Q1-E1-G1
 <400> 711

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 gcatagaaac aaagataggg aacatatgga taataaagag gtgaagtaat gtttttgttt 120
 gagattaaag aggtttcaaa caaagagatg ataaaacata ggaatctaac ttatttcatg 180
 gaagatccct atgtgaagaa gtcnnnnnnn nnnnnnnnnn nnnnnnnnnt aaaaccgagt 240
 ctgtgagggg tcaaaggaca caaactttca tcccattgca tatttctgag tccagcttct 300
 cgcagtagac tcatacnttg ccnctatcgg gttttgtaca tgtgaagcaa tctctggaac 360
 caatggatna tcnggggttg ggtccgttna caatgaagat atccgaaagc caaaaccttt 420
 ctagaatgn 429

<210> 712
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-046-Q1-E1-G7

 <400> 712

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 ctctgaatta gattattaca ttccaacga ccatactaaa agaatacatg tataatatta 120
 cctgaataga aaaataagaa aaatacncaa actatttaag tcagctcttt ttcttcccca 180
 gcctgaatta agagctaact nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnctaatt ataacactaa ttattaagac gacgcttgat tantcctcct cntcctcang 360
 tcaancacaa cgaacgccc cgtaacgga acccctggcc tggcaagagc caactttggg 420
 tnaagagca 429

<210> 713
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-046-Q1-E1-H2

 <400> 713

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 gcacaatcac tcttattgcc atattgtgtg agaaacaaaa tcatgagaaa gattctataa 120
 tctcaagaag gcgttgaagc catgaactct aaaggaacca aagaaggaaa gagttctgta 180
 aatctaaaac catgtcgttg attctttgtc ttcaagcagt ttgagcaact ggttcacag 240
 atgcttcaag cttttcgatt ctttcccaa cctcgactct aagaaaatcg gtaaccttca 300
 ctggagaacc tacctccttg gacaaattat ccaccaagtg tcntaatgtt tataagcatc 360
 gttcacaata aacttttgct ccattagaag caacttcttc aaaatactta cggagac 417

<210> 714

<211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-046-Q1-E1-H3

<400> 714

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 ttttacatgt agtgtgatcc ctttttaaatt ttgttttggt tgtctagcat tattatataa 120
 aatacgaatt aaaatcttac aaatcataag attgtttccc agtgaattta acctcaatgg 180
 gactaacatt ttaccgatg gatctcatgt ttagtccaac accttctctt cctggattcg 240
 ctttctctgg ataaactcca tctttcgggt gaagatattg aacctctccg ttagggaaca 300
 ctctgtaaaa ctggtaagtg atcttgtact ttgacctcaa cctcngtacc taaangccaa 360
 cacgggntct tcctccgcca ngtttcaat 389

<210> 715
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-046-Q1-E1-H5

<400> 715

tttttttttt tttttttgat taaactcaat gcataacaag tgggtgtagaa gtattgatac 60
 attcctgtaa tgtcactagc aatctcaaac aatcatgata catcatattt ctctcatgga 120
 gccaaaatcc ccggctgggtg gaaaaataat agtttgcgca agtgtgtatg attatttcta 180
 ttgaggtgaa aaacaatcta aggttttctt ttactttta tttccaacac aaaattgatt 240
 acgcatatgt attccacatg caaagaattt taaataccgg gatttgatag tgaacttatg 300
 ctgcgacaga ctgtttctcc tcgtaatccg tcaagcctta aaagcttcca atanccttgg 360
 ccnagaactc ctgggggaagc ctncaggtna agtccaaact ccaataaagc tttcccctgg 420
 g 421

<210> 716
 <211> 412
 <212> DNA

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<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-047-Q1-E1-A4

<400>      716

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    60
nnnnnnnnnn nnnnnnggaa aaagcataga aacaaagata gggaacatat ggataataaa    120
gaggtgaagt aatgtttttg tttgagatta aagaggtttc aaacaaagag atgataaaac    180
ataggaatct aacttatttc atggaagatc cctatgtgaa gaagtcctct ctctttctct    240
ctctctctcn attaaaaccg agtcngtgag ggatcaaagg acacaaactt tcatcccat    300
gcatatttct gagtccagct tcncgcagta gacncaaagt ttgccccaac cgggntttgg    360
ncanggganc aatcccctgg aaccaaagtg gttanccggg ggttttgggg gc          412

<210>      717
<211>      404
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-047-Q1-E1-A7

<400>      717

tttttttttt tttagaaaat acgtttccac aattaaaaca gaaatcgtag tgacacaagg    60
acataacatc gatcgagtaa gaataaaaac attggaactg gaatttaaata aaagcataga    120
cacaaaatca ttatataaaa tcaaactaac cttttttgtc taaccgaacc aacgtagcta    180
tgaactacac tgtagctnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    240
nnnnnnnnnn nnnnnnnnnn nnnnnnnatg ttgttgtaa ccctagtagt ctccaccaan    300
accatctctt cattagtctt tttcttcttc ttenttanna gaagttttgc tcttcaatct    360
cntggagcan gtttgaagan agtgagggtg gcttccatgg ggaa                    404

<210>      718
<211>      77
<212>      DNA
<213>      Arabidopsis thaliana

<223>      Clone ID: ARABL1-047-Q1-E1-B11

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ttccaaacga ctaancaata tgtttcca

388

<210> 721
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-G4

<400> 721

tttttttttt ttnaaannat aananacaaa cttcaatac attaaccttn agtncaacaa 60
ggctnctggt aaatnggnaa atacataatt tgacattaca cactgacgaa cggaatgat 120
actgagatat acananagaa tactgattta atcataacaa atcgaaatat gaatatttgg 180
ggattggtgg tataaacaaa tgcaagacg gtttacggtt tctatgcact gaatccacgg 240
ttaagcgagc tccanngacc anttggcagt gtggtacaan cctgtgaagc tgcctcctcc 300
atttgctoca tttgaatccc tgcattgcag atgtttgna anaggactca atttccttga 360
tacgttccga agacagncca ttcaaatgc ctccccgaaa gctctcacct gaattttaa 419

<210> 722
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-G6

<400> 722

tttttttttt tttcaataac aaataatttc attacatacg tgattaaaga agattacaaa 60
aacgantata taaagtanaa ataanagann atcgtatcna acgtanacta ataggatttc 120
aaaacagagt cgagcaagaa tctgttttag ggtcagacaa agccggtaac aaatattttc 180
tcccattcag tcccttaacg ttataactcc caccggtcgt tgcattccaca ngtaactctc 240
cagcanaacc aggatacgaa cctttcccat anactccagt acaagccgat ccancctcaa 300
gcggtgccgt tttaggecct tggnaatanc catctccgaa cgggttcggt gccgtcgcaa 360
ccaagagact cgccaagggtt aanccccaac ccgttcaaan caaagtc 407

<210> 723

<223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-H2

<400> 725

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tttttttttt tttttagtta taaatgttct taantaattg aaaagatata ntnactacaa   60
cttgtcaaca aaaatgtann acaaggtaaa taagtaaaca agatatttca gttttacacc  120
gtacactttt cccggccaaa tacagatgaa tcgccgtcac acanaacana gcaagacggc  180
gaacagagca aagaggagag aattctgtaa acgagccgag cctgaatatc cctgaggagg  240
agtatgatag taanacggca aataaggaac gatcggattc ngtggtggtg gtgtcccgtg  300
attgccgtag taaggaggcg gataataacc aacgtnaccg tccgccgccg ttacggaggg  360
cgggtattaa cancaacggg act                                           383

```

<210> 726
 <211> 148
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-H3

<400> 726

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cataatccaa ggcttgcttt   60
gatcttttag aanattctaa nattcacaga gatgtnacca anctatacag ttgcatccag  120
aaaatccgac tcaagcgatt tcataagc                                           148

```

<210> 727
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-H9

<400> 727

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60
aagttctaag caggaaacaa caaacatttt aaagaacaaa gcagtgaaga aaacacgctt  120
cctgttttga tgagcagatc acttagatgg gtctctatgg ctctctcca agctcaactc  180
tcaggttgtc atatggatac actctcggtg taaatggaac cttagaagct ttgtcgttca  240

```

aaacagcgag cagaccgaga ccaacaaaga accctaattcc gccactcaac catgcnaatg 300
 cttcatactt tccgacggta tcagcaatcc gatctatgca aggctccgga aacgcagtcc 360
 cgttgtcnca catnaagctc cgtccgttta ccgatancc 399

<210> 728
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-A10
 <400> 728

gnccggcaca ggtccaagga cnnnttcccg ggtcnaçnac cncacnatnc gncggccgnc 60
 cttttttttt ttttttttta agaaaagact tgggaaacct tatgaatggt aaaagtgttg 120
 ccacttcaat acaaacatcg tacttaaaaa tacaagtaac cacttgggcc attàcaaagt 180
 aaatcaacca tcatatatat atacacaatc acgatgaata atgttttttg agtatattaa 240
 tgagaaaagct tgtatgagat gatcaagatg atggcgagaa cgagagccac gattaccgat 300
 gtaatgatcc atttgttctt agtcattctc cttgacatag ccgtcaacac cttcttgctc 360
 ttgtcaatgg cgtcattccac accatgaagc ttgttgtgcg catgaaggan ggtttggcgt 420
 tgctgactca aatcttggga caaantgaga tgccaacct 459

<210> 729
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-A11
 <400> 729

ttttttttt tttgtacag tcaactctcat atgccaaaaa gccaaattgt gtcaaaatac 60
 caacaaaaaa gacaagaaga aaatgcaact tcaactacaa ccaatctcgc aggattcgaa 120
 cagacaagaa acatgggttc tctgctttta tctaattggt atcttttctca aaaaaagacc 180
 attccttaac gaccttcatg catcaaaggg cgggatnaaa cctagcgtgc accagcagtn 240
 agtttttagtt actgtccgaa aacgccattt tccaataanc ctaaagtgtt naaagaacct 300

tccaagaaan ttgcaatddd ttgngaataa tggaaagaag gtgtnaccgc tcaaaaattg 360
 ggcctctngg gnggcccaacc ctcanccctn gaanactcct aattggctct tccaacn 417

<210> 730
 <211> 276
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-A5
 <400> 730

nnnnnnnnnn nnnnnnnnnn nnnnnnnnna agaaagaaac catccatgtc ntagatagag 60
 ttaacatagt aacatcatcc caacacaang caaaggaaca gacnangnga cgcancacga 120
 aacnanacta anagatcagg ttttatttag aaaanataat tattcccgat agataanaga 180
 gatagagaag agttgccaga anccaaagag ctcatcaagc ctccttcncc cctgtgagga 240
 gatccatnac cagccttttg angettccac tcgagc 276

<210> 731
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-C8
 <400> 731

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnatatgcat ccgcgaaagc ggtgtaacca tatccgagtc actgctactc acatagccga 120
 attcttcatt atcatcatca gtagaatctt caattttcac aactgacttc acatgttttg 180
 attcggcagc cagtgatect ttcttcaggg atttatattt ggctttcttc gcctttttct 240
 tcttcttagg cttcangtac atgagcactt tcgttctctgt gtcaaaaacna tttcagccac 300
 ctctgccgct tccctctctc taagcttcat tttccaaatc ttccattaac tacanacatn 360
 agtaaatang tgacaagctg aaaatgcagg gacatggtaa gaggcaacaa 410

<210> 732
 <211> 367

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-D12

 <400> 732

 tttttttttt ttgannnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60
 nnnnnnnnnnn nnnnnnnnnnn nnnnaccaca ccacaccaat tattcgcana aatagtatac 120
 atanatcaaa cgatccaatt cgggttcagt ttagaaaccg tggatcttga tctgatcctt 180
 cttagcaatc ccagtttggg ccaagaactg agacactttc ttcctttgat caccttgaag 240
 ctggatgata ttgcctagtt cnttgtcctg cacaagcgtt accgttgcag cagaaatctt 300
 tcttcaaata cntganaata ctctcgtaac tgtaaccctt tcttaagccc ttgacaagtc 360
 gtcnaag 367

<210> 733
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-G11

 <400> 733

 tttttttttt ttcacaacga gaaattttgt attaaacata tccaactcat acaaggccta 60
 agaaaagcct attcaaatg caagattaca gaaattatct aggacccaac aaggcccaaa 120
 gagatttcct acagaagaag aaactggaat ttgtctctat ctcacgatca cgtgtcgtca 180
 ataggagaaa gacctanacg tgtgagatna gaagcctaaa agtgaaccga cttcttcctt 240
 tgtengtcg agcaccgatt ccggtgaaga aggaatcaca accgannaca ntcnacatac 300
 attcttctga ttttttcngc cgttacaag taatcngaag actccgantt naagcaagag 360
 ctttaangga ctgag 375

<210> 734
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABL1-045-Q1-E1-H12

<400> 734

tttttttttt ttctcattcc acacaaattt tcccattaaa cacacaaaaa cgagttacaa 60
ttacttaaca cggcaacgag gttgctttct ccttctgttc gtctcactgt acagttaaaa 120
atggctctat ggactgtgca agttcttttag ctgctcaacc acatcaagag tattgcttag 180
ctgatgataa tcggagcgat gaagagcggt tatttgtccc gaggttttgg ttccatcatt 240
gaaatgggttc tttgcangtc caccacgagg gcagtgcgc acacggattc tatgctttct 300
tgtctcagtc gagaaccttc cgtggaccac gaggaccaat atgacttctt tgtcncttgt 360
gtcctcaaac caagagttct gaagcaacac cgtccaaaaa ac 402

<210> 735

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-046-Q1-E1-A10

<400> 735

gncgaccnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn ncaatacatt attaaggcta catattcggg atttaatat taatcctata 120
tacaattaaa atcttatgtg atcctcatgg gcttcacaag tcaatgaaga ttgggctggg 180
ccgaagtaga ctctgactta acaaaacgaa caagagacaa ctttgcgata tcggaaacgg 240
caagcatttc gaacggcggc ggaatcactg atgagaaact catacgccgc ttcgaaagct 300
tctcgccaga accgaggaac cttaacgcca ccggagcgtc cgtacacatc cacatctgtc 360
tcancanttt cctctctctc ctcaaatttt caanaacgt 399

<210> 736

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-046-Q1-E1-B1

<400> 736

nccnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn aagaaaaaga aaagtctctg aacatgtcaa 60
 tgtatattaa catacagtat gtatagatcg aagctaattg gnattattac aagccaatta 120
 gttgatttta agaaacatat aactcggctt gtccgtcaat gaaaagactc atgaactctt 180
 ctccatccac agtttctttc tcaataagga gctgtgcaag cttgtgtang atatcaattt 240
 gtgttggtan gatctctttc gctctcacnt acgccttctc aacgagcnct ctcaacttccg 300
 gcatcaacca natccgnctg ttgccatcga gtaatccgnt ctgcgaagac ataccttngg 360
 ccccagaaaa ggggggttccn ccctgngtnc aacaangggg agctgggcag acacgttttg 420
 ncggg 425

<210> 737
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-C12
 <400> 737

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 aaagggataa aacattcgcg tcttaaacia gcagaaaaca tacctcgagt cccatgaata 120
 aaaattatag aacataacat aagaatttat atgtaagaga tgcaaacc aa gtttatagag 180
 ccattgtttg gttctaaaaa nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
 ngtaagcttc tcaccaaggt ttgtcatcac atggcggagc tcagctgctg agatgaaacc 360
 gttctgggtcc ttgtcgaaaa cccggaatgc ttccttgagc 400

<210> 738
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-C3
 <400> 738

tttttttttt tttttttttt tttttttttt tttttttttt tttatttggt gagaattaga 60

[illegible]

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<210>      739
<211>      432
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-042-Q1-E1-C6

<400>      739
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ttaacaatgg	aaatctttgt	aagacgtcgc	ccatgtatat	acatgttttt	tggccttgaa	120
gctgatcaat	gctagtcttg	ttcgtcggta	tatataaatc	ttaacattga	tttcaacatt	180
acatgagaca	gctcaattct	caaaccgtct	aaaccagtca	acgatcgtcc	tggaaagaac	240
tcgagtttcg	ctaagaggaa	tgggtctttag	cgcttgagcc	acagcgtctg	ctggcgtgta	300
cacagtccca	atttgccact	ttggatcctg	tatgcaangt	gtaagatggg	ttccgttcag	360
ccgaaacctt	tcaaagtgtg	ccacaataga	atccaanccg	aagcctaaag	aatttcttcg	420
ancaaatacag	tc					432

```
<210>      740
<211>      419
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-042-Q1-E1-C9

<400>      740
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tttttttttt tttaatatc ataaagcttc ttaaataatt cacacacata caaagtaatt 60

tacaagatat gaaatctgca tcacatttcc aagatgcaac aaaccggata cacacaactc 120
gatcacaaat taaactcact ttccggggac gaagttggta gcgaaggccc atgcattggt 180
gttgactgga tcagccaagt ggtccgcgag gttctccaac ggtccctttc cggtgacaat 240
gggcctgaac gaaagaatcc aaacatagaa gaacataacc aaaccttccg ttccttgaac 300
tcctcacct tcaaactccg gcgaaaagcc tcgggggtcaa gttagcgaag gccaatgggt 360
cgaaagctcc caactgggta aagcaagtcc tctgcntctc ccaatggaac atctccggg 419

<210> 741
<211> 184
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-042-Q1-E1-E3

<400> 741
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tttttagtaac tactacttgg gaatttttaa tattttgann tttctcttaa gcacacatt 120
caaaacaggc agaaaatgtg aaaacatgtc tgctcaatt gttttcttct cgagccgant 180
cggc 184

<210> 742
<211> 75
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-042-Q1-E1-E4

<400> 742
tttttttttt tttttttttt tttttttttt tttttttttt tggccattga cattgtcatt 60
tcttacaaaa cacga 75

<210> 743
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-042-Q1-E1-C1


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tttttttttt ttttaagcgaa tgttttcata ttataatttg attggccttt cttagacatc 60
ccaataaaac acttacacta gagaggaaat aataaggcca aaacatacac acgcaagcaa 120
gaaattaact ttgaaacat gtattattac ggacttgatt gcctcttcat caagattgaa 180
ggcttggttc aaagaggacc tggaaaagtt ccactctccc tctgctcgtt ccacttgta 240
accatttctc caggacagag ggcacggtaa tacttggcaa acctttcaca gtcattagac 300
tcctctccct ttgcaagttg tacacctgtg aaactccatg taccgagtga agcagtgcct 360
cgtcctccaa ggctgatctg atnaaagaaa tggngaaant nccagaagca agagnaagaa 420
atcaacgtcc agtggg 436

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```

<210>      746
<211>      445
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-042-Q1-E1-F3

<400>      746

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agaaatacat attatgaatt taactttctt agcacangan naccatataa ataattatat 120
aaattcccag ctgcttagct tttttcttca aagttgaaaa caaatgaat aaacccatct 180
cagagttgaa actaaagagg cagaaagagc ctaaaataca gagaacaaga ctgattctgg 240
acagaagtga aacagaggct gacaggtttc aagcttgga ccttggttaga cttgaagtgg 300
cttgancanc tnccaagtga aatnangcaa ncgtncctt caaanttaac nttaggcagc 360
aatcctnaag aaacctacca ttaactctc cccttaagat tcaaagttaa tgggaagatt 420
aatacctggg cctggaaatc aaaaa 445

```

```

<210>      747
<211>      415
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-042-Q1-E1-G1

<400>      747

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tttttttttt tttttttttt tttttttttt tttttttttt gatccatcaa tatcataaag 60
 cttcttaaatt atttcacaca catacaaagt aatttacang atatgaaatc tgcatacat 120
 ttccaagatg caacaaaccg gatacacaca actcgatcac aaattaaact cactttccgg 180
 ggacgaantt ggtagcgaag gcccatgcat tgttggtgac tggatcagcc aagtgggtccg 240
 cgaggttctc caacgggtccc tttccggtga caatggcctg aacgaagaat ccaaacatag 300
 agaaaaatan caaaccttcc gttcttgaag ccccttcanc ttcaactccn gnaaannccc 360
 cgggggtcagt aaccaaggcc aatgggtcca aacccccaac tgggtaaanc aagtc 415

<210> 748
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-G9
 <400> 748

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 actagcaaca acaagttgta acgataanna gctttaggcg ataataggat tattagtcan 120
 naacaaagtt aaacagattc ctctcatta gagaatgatt gatggatcct tctattccca 180
 gttggattct tggagatcct tccttgctta gcagatttcc tgccacgaac acctttcaaa 240
 attgtagaga ttttttgttt ttgggggcta taaccacttc agatgggatg caaccaccaa 300
 ganaacatat cantattgan cttcaatcct tcggccgcn actttaccat aatatatacc 360
 cgtggattcn actttgtcca tctgaccaca naacatc 397

<210> 749
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H1
 <400> 749

tttttttttt tttttaaagt taaattatta tcttcattcc tctctaccat atatattctgt 60
 attacatttt tattctcaca atcacccgat ctcttgaaa gaacccaatt tagtaaaaaac 120

agacaacatt tcttttagcct tctcatacaa gaaaatatat ataagcaaga cctttttgcc 180
 ttatataaaa ccctacacca caaacaccct ttcagtatta ctcatctcat ttcaaaagca 240
 ttagagatta aagaaaatca tatttntnat aaaaaccaca ctgggcttat acgaagaacc 300
 ttagaaataa aacaatggcc atcttacggg ttacgaagca ctgaggagct taacatcatc 360
 gattacgggc ccacacaagt gatgaagaaa tcatcgctcc aaccgaagta aaatgggtgct 420
 gtaaaacata actcctggt 439

<210> 750
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H11
 <400> 750

tttttttttt ttttttgaga aaactcgacc attgtacaga ttttcagaag taaaaccaat 60
 gtcttgccac attaaagaaa gtagacgaaa aagaagatta aaatatctga gatcataaca 120
 gattctctac gtctcatttc atctcttagg cttcagtgat gggaaactca aagacgacat 180
 ctttgccagt gagcttcttg taaaccgcag agaaagcctc aaccttgtac tctgtgttgt 240
 tcctttcctt tgggtccaag aagaccttca tgattttggt accgtcgagt ctgtaccttg 300
 tgcgcttccc aacaatctct gcaggtaaga ccacatcatc aagaatagct tcatggactg 360
 aggtcagagt acngttgcgt ggtctctttg ccgctgaac 399

<210> 751
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H12
 <400> 751

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa tgtaatgtaa 60
 ctgtatatat tataacatga anagtttggt tatacataaa aactcctggt aattgcatgt 120
 tttggtactc nagataacac aaggatgtca aaaagaagga agaaaaaaca aacagatcac 180

667733 thesccc

ggaattgagg gtcttgaaaa acagtaagga aacttgatat gatcggtgaa ctattcgtgg 240
 tatagataca agccgagacc aaatcgagca catgctctgc agaatgctat ttcctcagct 300
 gcagtaactg ggatcctcga tgtgatcatc agtcgtccgt tactgtccca gttgattcac 360
 gatgtgcctc accatcagag ccacgaatag tgagacg 397

<210> 752
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H2
 <400> 752

tttttttttt ttaaacaagc gatacaaatt actttagaag cagcttaact ttcacattca 60
 gagttcaagc caaaaacaat cgttgaagag tgtaagaatc tcgtctaaac aaaatgcaag 120
 atagggagag agagaggggca cagctagatc tcagctttaa tatccacgcc ttggaggacg 180
 ctcttccgct acattcactc tgattgctct accctccaag ttctgtccat cgagggcaga 240
 gatggcttcg ttgagttcat ccacgtcaga cattgtgaca aaccggaatc cacgtgaacg 300
 acctgtctca cggtcgtaaa ccaccctagc ttccacaact ttancatgct cactgaaaag 360
 ctgtttctaaa cgggcattgt ccacatccca tgggtagatt ccctacatat actccgaatg 420
 caaggtcata tanc 434

<210> 753
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H3
 <400> 753

tttttttttt ttttacatta ttaagtcttt taattttata tctaagttaa cgagtccaga 60
 gatttcatgt gaagaatgaa gaaagacata tatacaatac aactgaatta agcaagaaac 120
 tccacaacat tgtctatcga tttcaatgtc ttctcgtagt aaagatagga ctcgtacacc 180
 tttggcgtcc gtacatagaa atccaactca ctcatgtttt cgacaagctc gtttgccgcc 240

tgaacgtaat cattccggcg actctcggc aagatgttca tggcgttggt gagattctga 300
gacagataag cctgtttcaa tcctatgtan aatataacgt acctccacga catgtggggtc 360
caacatctcc ctccanggtct cttaatcctt cagccgtctg ttttaaacgc gccgccgcaa 420
tcctcaaggt gaatan 436

<210> 754
<211> 162
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-041-Q1-E1-G5
<400> 754

tttttttttt tttattataa acattgtctc tactcaccat attcaacaga tatatagtat 60
atatcatgta catgtattaa ttttacctg aataaatcta taaaaaata tatattgcaa 120
cccccaataa tatgaaaaaa aaaaaaaagg gcggcctcga gc 162

<210> 755
<211> 397
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-041-Q1-E1-G7
<400> 755

tttttttttt ttgacaagac tttatgggtca atgtgtaaac tgttatataa aatcatataa 60
cacaggagga gcctgaagat tttctgaagg acaacaaca aaatggaaat ggaatataga 120
aacaccaaag aataaatatc aaacctatct caaatcattt tgatgcttat aaaaaatata 180
gtaatctaac actctcacia acccaattct tcttcagggt catggcccgt acctccctc 240
gttcacccta ttttaacctat gtttgtattc gatttaatac ctcttatag tcttatacta 300
caccttagaa cacaaacgca atctcatgc ataacatagc tctcgtgagc taatattctc 360
gctctttctt acccaaattg gtttctctct gattgga 397

<210> 756
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-G8

<400> 756

tttttttttt ttagctgaaa tcatgttcat ctcatatgag ccgtgggaaa tgaaagagca 60
cagtgtagca taagaagtta caaatgaaga acaaacttta tggcgtatatt gatcaagcgg 120
ccactggagt tttgagggct tcgagtatct tatcgtctaa ctcaaactta atctctttct 180
tgtctctgcc aatcttcaca tactcttcga atctctcctt gagatcttca ggcagattcg 240
ttttactctc ccaccctaata aagtccttag cggctcttgg ctctgcgtag aaatgcatgt 300
ttctgaatag aaaagccttc ttggcgtcaa cccaatggc tttaggggtca taatgaacga 360
tttcaacagt tttgcaacaa cnggaacaaa aaa 393

<210> 757
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-041-Q1-E1-G9

<400> 757

tttttttttt tttttcatgg aaaagtctgt tacgcaagaa aacgaaattt cagagtccag 60
tgacaccatt ctgttcttgt agcatttggg acgtgttttag attacaacta actcgtaaga 120
gtaactttta aatgctattc ttagagagga agttctccac tgtctgcaat tacgactttg 180
ctcttaggag ttccgctttg tttgccctca gcttcaatct tataaactac atccattcct 240
tgcaccactt tcccaaacac cacatgcctt ccatctaacc agcttggtgt caccgttgtg 300
ataaaaaact gcgaaccatt tgtgtcttct cccgagttcg ccattgaaag tacacctggt 360
ccagttgtgc ttcagcttga agttctcaat cagcaaact 399

<210> 758
<211> 66
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-H1

<400> 758

tagaactagc tcgagccggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnc 60
tcgagc 66

<210> 759
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-H10

<400> 759

tttttttttt tttttttttt tgcaaaaact tgtaactgtg tgtttatatg aaaattgttc 60
caaaaatctc aacaaaaaca aaaaaannaa acctcaaagg agtgatcagt tggctcttagg 120
atcaggcatg gggaacaaac caccagcacc ancagctcct cncggcggag aaaaccctag 180
aaatttctgt anattgggtc tgatactaata tgaacacagc agatagagaa aagccatgga 240
acaatccgtc ggatcatcac ctttcagtcc cctgtgactc atcttcttca ctatcgtgat 300
cggatggaaa ggaagcttcg cgacgacttt accttcgaat agtgaattga gcaatccgaa 360
gacgacgaag agaaccagtg ccacaacggg gccggattt 399

<210> 760
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-F9

<400> 760

nnnnnnnnnn nnnnnnnnnn nnnnnnnaac aacaaaatac atattatatt ttaaacacac 60
attttggata ttattttaaga aactagnnga tactggacca acacacatat tatacattan 120
atattcgaga aatgaaaaac ttggcttgtg aaaacagaaa ttaaacatat actacaccaa 180
cgcatacgtt atacgtgacg gagaattaaa agcttcgctt gtgagtcctt gattacncat 240
taatatatat atacnagggg gctggagtgc gacccccacc atgcccactg cctgatggtc 300
ctgtaaatat gtctccattg ggtctanac tacgcatcaa nttcctccca ttacngcctg 360
gancgtggtc actcgttgat gatggng 387

<210> 761
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-H11

 <400> 761

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnna aaataaaata aagcttaatc gaattataca   60
cgactgtgtt aagtatataa atacatagag cgcagaaaga ttcttatgac aaaaccaca   120
ccaatccaac tcccatagct caaagtaaata acaaaatcca aagaatcacg cagctctcaa   180
gaatatatca gacacggagc aaaaaggaaa gagagggaga gagattcagg ggcctcgagg   240
tttgaagaaa cagaggcacc cctgaaactg gtccggagct atcattccac cacctttgct   300
tgtgtctatg gcttcaagca gcttcaccac ctctccatc tccggacgcc tgtctggatt   360
cgggtcccag catctcttca tgaagtttgc caccg                                     395
  
```

<210> 762
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-H12

 <400> 762

```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naaacatcat catatcatac   60
aagagcttan acanaagctc caactttggn attacataaa gcccaaaaaa aggcccata   120
gataaccttc tgcagaagaa attctatcgg aactccatcc atgaacacat gtcgacaacc   180
gggatatacc acgtcacacg ctggatgaat aatcaagagt tttccggcaa caaccttcgg   240
cgttgagctg attccggtga natgattcgt gtgttttgca ccaagaatga aaacatcaaa   300
gctccaaatt aaagataacg gcttaaggaa tcntgataaa cgacgggaag aatcctcaat   360
ccttcaacaa aagagaaaaa ttctttgaaa ccaataagtt a                                     401
  
```

<210> 763
 <211> 402
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-H2
 <400> 763

```

tttttttttt tttatgaaaa acacatgcat ataataaata aagagcccac atacatcata   60
catgatacat cgcaaatatg acaattgaca aacacatgca tataatagat aaagagccac  120
atacatgata cattgcaaat atgacaaaca cgtgacatgc atataataga taaagagccc  180
cacacatcac aaatgaaaca aattaacgtg catacattta ttgacgcaat ttcgtagcta  240
tagtgacatc agtgacttgg tgagtttttt gggaaacctt tgggggaagn agnaggntac  300
nnaaanggna ncttcnggga acaaaagggg ggaaatggcg gaaaatttgg cccccaaggn  360
ggaaacccgg gacaatgaat gggganaatg ggcccagtta aa                      402

```

<210> 764
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-H4
 <400> 764

```

anctgccggt gccggtcaag gtcanatctn gggtcgacga ccncaatatt ngngggccgc   60
ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngag cggattaaac  120
ttaatttccc cttaattttc caaagatatg acaaggaaaa aaaaaaacgt aatcaaaggg  180
gaaagtaagt caaaaagtgc cctttcgctg ctgcaaaatc ataggaagcc taaaatcacc  240
aacactgac cgtctcccat ctccgggtcg tagcgtaaac ccgccccgac cgacccatcg  300
ctccggcggtg taccgtctc cgtggtactc taagcgtcga agtcgtaaat cgctcttgta  360
gtcggattcg caagtgtcnc gtaagctttg tgaatcccca aaaaatctcg aacgtccgan  420
tccgaancat ccggatgaaa atactttan                      449

```

<210> 765
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-A12
 <400> 765
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnca caaagcaa at 60
 tttattgata aactcacact acaagtacaa atgcatacca aaagttgata catttatata 120
 tacgctcata agcaaactat tagattat ttttgacaca atacataata aaagcattaa 180
 tacatttaag taanggttta taaattcctt ttgggactgg ctgatcccgt aaatacaagc 240
 tgaacaagga gtatctctan aattgctcaa aaaccatgga tttttangtt anccttcttc 300
 acaagcccag cctgaacaag gaacgtagat acgttcttcc tctgatcacc ttgaagctga 360
 ataacctgtc cnaattcaga gtcttgacg acggtggcc 399

<210> 766
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-A2
 <400> 766
 gccgcgggtc cggaataaaa ttcccggggt cgnccaagct cactantcng cgcccgcgat 60
 tgggacgcaa gcgagaagtt tcaatacgat cctttgagtt actctttgaa cttcgatgac 120
 gacgacgagg aggatgaata cgtcggacta ggtggattac gaagcttctc gacccgattc 180
 gcttctgtcc cggtttactc aggtaaagct ccggcgattt cgccgacgtc gttgtctgcg 240
 ttgacgccgc gtaatgagat cattgaaagt tagtgggcgc gtgtgagaaa cgcgtttgcg 300
 tttctggcgg cggggaaaag gctgtcaaaa tgggtgactg gtttggttta catcggtttt 360
 gggagtctgt cgcgttttct tatttaataca ttctgtttat ataatacaact ttgaattaan 420
 ttaataatt tccaattta attaanntaa ttaanaacca aattttaagt tcccccaag 480
 cnaaatccc 489

<210> 767
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-A3

<400> 767

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aatagatttt tgggtctgtta catttgtaag aacagaacat aagagaagtg aataaattgt  120
tcacaatcag acgagcgagt gtttgtgtgt ggtatcagag tcattcttca tcccttttat  180
tgttcttgta tgaaatgagt gtgttcgacc ttgtcaatca ctctcttgat ccaggtgaac  240
ggtacagcca catcggtatc agtaaagtct cccaacacaa cagacacacc ttatccaacc  300
gccaaagccc gattaatgtc tcctcctctc cttacatggt tcaatggaga caaaggcaag  360
ccaagttatg cnnggaagca acnttgnccc aattaananc ctggaaaccn ccccggtgga  420
ttccccctaan aactttcccc ctttg                                     445
  
```

<210> 768
 <211> 101
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-A5

<400> 768

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tttttttttt tttttttttt gaaccaaaat ccaaaacact tantattgct tttttaggta   60
gcttcctatt aaaaaagcaa taataagtgt tttggatttt t                                     101
  
```

<210> 769
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-042-Q1-E1-A7

<400> 769

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gaatgaatat agtaaaacat ttttttacia tcagctaata tagaagcttt gaaaacaata  120
caatgttgat tttttccagt ttgacctct gaagcttaag taactacgag ttgagagtgt  180
ccaagagatg gacaaggaga taacagaggc acggaaaata ttcccatgtc tttactgtct  240
  
```

gctccgtccc aaaacccctt ccaacttgat ggcgttaatg gacaagcatc agcctgaacc 300
 tgagcttctt cctctttaac aagctttacg gctgatcagc tggctttcat cctccgtcac 360
 ctgtctcttc ccccttgggt ttaaagaaat aagcctcctg gtgtcccca agtcctcaag 420
 gcttcc 426

<210> 770
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-B4
 <400> 770

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 agatgactaa cagttacgct ctgtcaccgg cgattatcgc cgccgttcgt cctccggcat 120
 ctcaagacta tcnagttgct gcttctctta gtggacgcaa atcgatcaac tcttcatctt 180
 cgtccatttt cgtacctatc tcattatcta cttcctacgg tcgaagcana tgcagccttc 240
 tcaatctcgc ggaagaatcc aaagtcgacg attcgttgcg aatattgcng tgaaaaatcgg 300
 cgggnttntg taaacncnng acgctgatct aaccgtcaat ctacgtcngt tgggatnact 360
 ggangannac gataaaagcc gaaaggagaa agaatgggaa gctanggggtt aatgggttaac 420
 aggttcccgt ttgaaaaagt tnaacaaagg tggg 454

<210> 771
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-042-Q1-E1-B8
 <400> 771

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 attagttcac cttggagtgt atcttgtgtc atctccatga ttttcttttc ttcctctttg 120
 ggtttgaggt cctcaagat cttttgccat acattcattc gggtaaaatc ttgtgaaaca 180
 cacacccatg agagcccatc aaactgatgt ttaacatcct catgggttaaa aacctgttta 240
 gcaagtgtgg ttttacctag accaccata ccggttatgg aaaccacttg aacgtttgct 300

401

<210>	774
<211>	402
<212>	DNA
<213>	Arabidopsis thaliana
<223>	unsure at all n locations
<223>	Clone ID: ARABL1-041-Q1-E1-B3
<400>	774

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taatctctct	acattagcct	gcctgcgacg	gncatctcc	cttactttta	cgtttacact	120
ttaatatgtg	tactctaat	caagattaga	gtcacaaaat	cacagttttc	aaatattaaa	180
tcctataggt	aaaatcatag	ccattattac	tatttaatca	aagtgagaga	aaacgcttat	240
ttaaccaaac	attaatatac	gggttaaaaa	gaactaatcc	tttcctttcc	ttttgaacag	300
cggtaaaaaa	gactattcaa	gaagactaac	attacgtata	aaccatactt	aagattttac	360
gaaaagtcgg	actaatgatg	tttgaatccc	ctcgagtgtt	cc		402

```
<210>      775
<211>      397
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-041-Q1-E1-B9

<400>      775
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caaaagatgc	tatattctaa	gacattgnag	aaccccaaaa	ttaagagaga	acataaatta	120
tgcaagtaga	aaacaaaccc	agtagaagaa	agccaagacc	agttttagtt	tcgtttgcct	180
cgaaggacac	ccttactacg	acgattcttc	atccccagct	taaacttctt	cttcaacttc	240
ttcccaatag	gttttagcga	cttgtttttc	ttctcatcat	ccatttcttc	atcactatcg	300
ttggcgattg	tagtgagggc	aagatgcaga	ctcagaggaa	ggcgtcgcaa	cttccataaa	360
cggagaaaact	ggggccttgac	gaactggtaa	cttcgga			397

[illegible]

<400> 776

<210>	777
<211>	395
<212>	DNA
<213>	Arabidopsis thaliana

<400> 777

<210>	778
<211>	382
<212>	DNA
<213>	Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-C11

<400> 778

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gaaatggata cgacaaaagg catcaanntt cgcgcaaat taacaaattt atttgaagtt 120
gaaaatcgac attgcttgat tttgtttata tcaatcgttt aaccacatag catcatanac 180
ttaattctcc aaacagaaat canatataca cacataaagg cttttggatt ctcttatagt 240
tataaactgg atcacatcac tgaagcatcg ttttatgcct ttcagttgtc gccttgctc 300
agtanacgca atatgggtca agannanatt gaggatgtcc aagttagaag aagctactga 360
nngctaggga tgtatccgtc nt 382

<210> 779
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-041-Q1-E1-C8

<400> 779

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attctagtaa aaataattaa acgttacata aaattacact cgtagatttc acaccaacac 120
atcttctatt gagaagattc tttttcaatg tctggtatag ggaagtttta ctagcttggt 180
ccataactcaa gtaattccca cctgaatggc tgaaagacat atagcacttc cgggcaactc 240
ttgaacaaaa gagcgacaca aacgcaaac gctgctatcg ctaccatcga aagcattgct 300
ggcctgtagg caacaagact tgtggtgcgt tgtgacaaac acacgtttgt gatcacagag 360
cttacattgg gtttatctgt gttatctcca agcttgaag 399

<210> 780
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-D11

<400> 780

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 ttcataaaat tctaacgtaa aaaacaatca tattgtgaga tggttttaga gaaagaaaca 120
 aagttccaaa agacacattc gttctcaa atcaaaggtact atgtaacctt aaataagacc 180
 aaaaagaaac aagaaagtcc ttttcaagga agatnagatn cagcagcacc accaccgaaa 240
 ccaccaagct ccacgaccaa acccttgctt agctccacca agctccaccc ctgaagccag 300
 gctggtaatc agcangtgct ccagccttgt caccatactc tccacctgat ttaggacctc 360
 cacggtatcc atctctgtca ccaaaacctc ctctctccat 400

<210> 781
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-D2
 <400> 781

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 acaatgaatc caaaccaaac tacataagta gcaaataatgt tcaccctacc cttgaaacaa 120
 cactattctg cagggtcataa atcagttggg gaatcttgta gctctttctca cccacgggac 180
 catcgaacgc tgctgctgat gagatccagc tccattgttg cctacattgc ttctattgtc 240
 tgcaaacctt ctcatctctca ttctctcttc cttcatgttt gcaaaccgag aatccagtgt 300
 ctgaggccat nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn ttccgacaaa cctcttttgt 400

<210> 782
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 782

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 ottacaatgc ttttctgac tatgcacna agataaaaata gtgttttaca gtagcatcgt 120

attgaaccaa ttgatccagc catgtggtgt atgtcagcca ttacttgttt gcgttcccta 180
 ttatcgggta gtgtccctct ttaggctcgg ttgacctccc ctagtatctg attgggccat 240
 cgaggctgcc tgtagcaaac tgttgaacta ttggattagt tgagggtgtg aattcatgtg 300
 tcattccttg ccaaacgata tttccttcac acagaaacaa taacctgtct acagctcttt 360
 gaatggtgct atgttgatgg gtaacaacaa g 391

<210> 783
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-041-Q1-E1-E4
 <400> 783

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 ttgttgcgg tttaggttca aactccaaag atgaataggt tttccattag acctccaaga 120
 agcagccagc ttgaacatga ccaccgtgtg tttccaattt taccatcgt gagctactta 180
 aatcacatat ataccctacg gtggcttcac cgtatccagc caacgccttc ccgttgccga 240
 tcacaatcag catccccggg ctcaccgcta cgtaagtaac attgtacaca tcagcagggg 300
 tctggccac cttttgccac ttgtcattta gaaacatcat cacatcgcca cccagcacg 360
 cgtacaaatc cccaacggcg accaagtcgg aagggtctaac g 401

<210> 784
 <211> 244
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-E9
 <400> 784

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 caacacgagg taagcccang gntcacatnc attanctgac caaacaaaat tcgttttanc 120
 nataacttac agacataaaa atcaactcgt ttttaaacct gaatctgaca acaaccctcc 180
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ctac

244

<210> 785
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-F1

<400> 785

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tctcttgacc aaagttaaaa acacacaaca tttgaaacat gacaaactag atgtacttga 120
agagcaaagt gaggatctaa cttccgaaga cagcgacttc gagattcttg gcggagtcaa 180
caatggaagg aggatcaaag cgagtaaaga gcttataaga ggagattaga gagagaacga 240
tgtagaaaca aaccacaaag aatgtgatta taacagaagc agtggctcta tgacagaaac 300
cgccatagga gctacatgca tcgctccaag taatggctga gtctccattg taagccaagt 360
atagaacctc agctgataca gctccagcag caagaaccan 400

<210> 786
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-F3

<400> 786

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aattcgttac aacatcacga atctgtaata tttgctattc gtataagcaa aatgtacaat 120
tcacatcact aagacagatt acttaacgaa gacgtttagt taccttattt ttcttcgctc 180
ccgtttcaca cactaacact acaactagt gtaaacgtat acttaacggc gttgtctccg 240
acgataactc cgtttagcttt gttacccgaa gtttatatat gctggacact tcacatgaag 300
atgatacttc ccggtgataa aagtcccaac cttccaactc aactcctaac atcaagcacg 360
aaatggattc aacaaaaacg aacaccgttt atcctttatc ggtgtcaaag 410

<210> 787

<211> 398
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-F6

 <400> 787

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tttttttttt ttttagaaca acaatccagt ccatgtaata tttaacagtt tcggacttaa   60
agttatacac gcacatgagt atatatgata caagagttca aacatcatga tgatgttact  120
aagacaagtt ttactttatt catacaatat ggttcacaga catttgga   ccataccaaa  180
cagactgata aaatctcttt taagcaaaaa gaatctgaga attcgatgga gttatatctg  240
cataacgctc cggcgactca acaacctccc acctcacagc aaacttattc tccgactgcc  300
aaatattccc aaccgcgaga tgaagattcc taccaaccac atatactctg ttcccataac  360
agttaaccgc aaacggtcta caaaatctgc tcangcaa                               398
  
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<210> 788
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-F8

 <400> 788

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn  120
nnnnnnnnnn ncaccacacc aattattcgc ataaatagta tagatatatc aaacgatcca  180
attcgggttc agtttagaaa ccgtggatct tgatctgata cttcttagca atcccagttt  240
ggaccaagaa ctgagacact ttcttctttt gatcaccttg aagctggatg atcttgcccta  300
gttcttttgc ctgcacaacg ttaccgttgc agcagaaatc tttcttcaaa tccttgagaa  360
tcctctcgta nctgtactcn ttctaagcc cttgga                               396
  
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<210> 789
 <211> 360
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-H3

 <400> 789

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 cttcaagctt tanaattcca tcttcaaatt tcagataaag atgatgataa taaaacccat 120
 aaacatatan agtacagacg aaaaagttga tatttttanac atttttanta aagttaaaac 180
 aagaagaaga aagaaacaga catgaaaaca taaacaggtg ctgaagcata cgaatctttg 240
 tttagcccat ggcatacttc tgagtccagt ttcntgcagt agcctcgtn ttggcnctgt 300
 cggttttgna cagngtgtgc aatctctggg ancaaagggg tcatccggga tttggatctg 360

<210> 790
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-A1

 <400> 790

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 ttacaaaagg ctagtactgc attagaaatt ttgaaggaag tgcttgacgc agtcgattct 120
 caaaatcctg agggggcaaa agatgagttt actcttgatc ttgtcgagca atgttcgttt 180
 cagaaagagc gcgtaatgca cctcgtcatg acatcgaggg atgaaaaagc agtttctaaa 240
 gcaatcgaat tgaatgagca acttcagaga attctcaata gacacgaaga tttgctgtct 300
 gggtaaaatc actgttctta acangtctaa cacatcaaatt ggatatcatt ccaatctcga 360
 acctgtccgt cctatctcaa atggtganca aaaacgcgag ctaaanggtt ctaatgcaa 419

<210> 791
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-A3

 <400> 791

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tccaagacag gcgaacggta gaagcattgc cgtgagtga ggcgggcgag ggaagacgat 120
gacgatgacg acgatgcgga aggaagtgca ctttagaggt gtgaggaagc gtccatgggg 180
tagatacgcg gcggagatcc gtgacccggg aaagaaaacc cgggtttggc tcgggacatt 240
cgacacggcg gaggaagctg caagagctta cgacaccgcc gctagagagt ttcgtggctc 300
caaagcaaag actaatttcc ctcttcccgg agagtctact acggttaacg acggtggcga 360
gaacgattcc tacgtcaacc gtacgacngt gacgacggcg cntgagatga cgcctcagan 420
atttccgttt gcatgtcacc gggga 445

<210> 792
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-04-Q1-B1-B4
<400> 792

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cagaatcaac tagttttgtt tttctctttt caaaaatgca tttctcttcg tcttcaacat 120
cgtccacttg gacaatctta atcacattgg gatgtcttat gcttcatgca tctttgtccg 180
ctgctcaact caccctacc ttctacgata ggtcatgtcc taatgtcact aacatcgtag 240
gagaaaccat tgtaaagag ttaaggctcg accctcgtag cgtgcgagc atccttcgctc 300
ttcacttcca cgactgcttt gttaatgggt gtgacgcac catcttgta gacaacacga 360
catcatttcg aacaagagaa agatgcgttt ggnaacgcaa attcggctcg gggatttcca 420
gtgattgata gaatgaaagc tgcggtggan aaggcatgcc caaga 465

<210> 793
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-04-Q1-B1-B6
<400> 793

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ttaaaatctc gacgaaacct ggttggtgga cagattttcc attgtcactc gataactgaat 120
 ttgaactgtc tgaggctcaa agggcacatg catcagccat tgaagatttg gttcctggcc 180
 ttgtagctgt gaagaatcaa gttagtagtt acatggatga tgaacacttc tggctgattt 240
 attttatttt gctgatgccg agactgaatg ggcattgattt tgaactctta gcaacatgca 300
 aggtatttga aacaagggat caactttttac taaagctgca aaagaaagag acagggtcaa 360
 gcaagagcac tactggtcac gaaactcctg aagaaggtag cagtaggga 409

<210> 794
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-04-Q1-B1-C1
 <400> 794

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 gtcttggtgc tttagaaact tcgatttgca gaaatctatc aagcgattat gtcttcgggt 120
 tgaaagattg aagaatatcc cgatgcttat tatgattcct ttttgctgtg tctttttaa 180
 ggagcaccgt tcagttttat ttcgggtggtt acaaggatcc attgtgcatg gtttcggcga 240
 tgcattcctc accggattcg gtgttcacgc gcggcgaagg ttgatgtcgg tacacttccg 300
 atgactcttc atcttggtgt gcagttgtaa tatcacgtgg acacgtgtat tggataaagt 360
 ccaaagtgtc aaacatcttt atgccgtaaa tgtaaatcct aagggttaag tt 412

<210> 795
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-G4
 <400> 795

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 tgcacgagat gtgcattctg aatagtgatt taaaaatcat acaaaagaaa gaaatagaaa 120
 gcttggttaac tctaaatgac caaatggatg aaagagcaac aacatggtga tatgatatac 180
 acatgtatta tgaaacttgg tctcaacaag gtaacttgaa acctatgtaa cgaccagaga 240

gtccgtaagg caactgacct gaagagtcct ctgctaagga ttgaagaatc agagtctctt 360
ccatcctcaa ctggagaagt gcaaagagca gaatgtttaa aatctcttag agaagttgct 420
atctcacttg ctgagagacc ggctcgtggt gatttgacgg gtgaa 465

<210> 798
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-04-Q1-B1-C5

<400> 798

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ccgattcggc tcgagcggct cgagcccaat tgcacagca gtctctgatt cgacccctc 120
atgggctgcc aatgcccac tctcttcagc aaccctgca atatacctaac tttaatatcc 180
ctcctccacc tactgggtca tcactcttgc aggggtcaag cttgccagaa gcacnctctt 240
cattgtttcc ttttantacc agttcncaaa tgtagctcc tagttcattg cttttccctg 300
ntctaccacc tgtgacgctc tcgtctagcc tgcaagtcta cantggcaat caagcancat 360
ctccttcaag nagenttcag anatgggaac tccgttgctg tnaaacaaaa gccctatta 420
ctgntcctcc taacctaaact caaggtaata atttgcnttt c 461

<210> 799
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-04-Q1-B1-C7

<400> 799

natcggaatt cggctcgaga ctagttctag atcgcgagcg gccgctcgcg atctnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnn 87

<210> 800
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-04-Q1-B1-D2

<400> 800

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ctgttttctt tctagatccg atccaatcca atcaaacaaa ggatccgatt gatcagaaaa 120
aatccaccaa atttctcaag atcgaaacat ataattgaag atgagcgacg tatttgaagg 180
gtacgagcgt caatactgag agctctcaac caatctctct agaaaatgtc actctgcac 240
ggttctctcc aacggagagg agaagaaggg gaagattgct gagatcaagt ctggaatana 300
cgaagctgat gtcttgatcc ggaaaatggg cttgaggnaa agaaagtttg cancccgagt 360
gctaanaccg tgtgtccttc taaactaaga gagtataaat ctgatctgaa ccaattgaag 420
aaggaattca aacgaagtct ctccgcaga tgctaancg tcttc 465

<210> 801
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-04-Q1-B1-D5

<400> 801

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acttataagc acaatcaatc tcttaacaat cgttcttcta ctcttcggtg tttccaagat 120
atggaaagct tgttgatcc tcttttgcg tccattgatg ctatcaaaaa gattcaagaa 180
acaaggaatc tcaggaccaa agtacaaaat cttgtacgga aacctcagcg agataaagaa 240
gatgaagaaa gaagctgacc tttgtgttct gggatccaat tcnaatgata tnttccctcc 300
gtgtgtttcc ccaagtatca acaatgggat gtctcaataa gggaacgttt tccaaccaac 360
cntgnttttt ttttctctct ttcanaanatg aaggttactt aacacacaca taagt 415

<210> 802
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-04-Q1-B1-E3

<400> 802

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gctactactc agcagcgaga atctcaatct gtctctcctt cgagtatttt acaaaaggct 120
agtactgcat tagaaatttt gaaggaagtg cttgacgcag tcgatttctca aaatcctgag 180
ggggcaaaag atgagtttac tcttgatctt gtcgagcaat gttcgtttca gaaagagcgc 240
gtaatgcacc tcgtcatgac atcgagggat gaaaaagcag tttctaaagc aatcgaattg 300
aatgagcaac ttcagagaat tctcaataga cacgaagatt tgctgtctgg tanaatcact 360
gttcctaaca ggtctaacac atcaaatgga tatcattcca atctcgaacc tgtccgtcct 420
atctcaaatg gggaccaaga aacgcgaagc taaan 455

<210> 803

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-04-Q1-B1-E5

<400> 803

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cggcgggaga gcaagagtat ttcacggaca aaaccacact ctttgtcggt gagctcattt 180
tgatcggatg ggcagaagga cgtagatggg ccgatatcat caagcccggg agcgtcaaca 240
ctgaccagtg cttcccaaac aacaaactga cgggcacaag acgttggtta accaagggtg 300
gttatggttc gaccgttggg gttggggatt cgggagncgg gcgaagctga angatttgng 360
gaacnagggn gatnaagaa cgggaaggnt ggctaagttg gcaattgatg ggtgctt 417

<210> 804

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-04-Q1-B1-E6

<400> 804

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ctggtttaag actggtgctt tgcttcttga tggaaacaca ttgaactact ttggcaagaa 120
catccctatc aaccttggtc tcgccgtagt tgctgaggtt gttctcctcg gtggagccga 180
gtactacaga atcaccaacg gattggattt cgaggacaag ctacacccan gaggtccatt 240
tgatcctcta ggccttgcta aggaccctga gcaaggagct cttcncaaag tcaaangaga 300
tnaaagaacg gggagaatan ccaagtttgc caanctcggt ttccttaacc aaagcgtntg 360
ttaccgggag aangtcctgt tgaaaacctt gcaaancatc tc 402

<210> 805

<211> 388

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-039-Q1-E1-B11

<400> 805

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atatcttgtg tttgagtttg agtttgatgt atcacacaag attagcataa attatttgtc 120
tccttctctg gctctctgca cccattgtct cgtcggtttt cttggatctt gcgaattcgg 180
cttcctttca ttgacagtag gtccccggcc tctgcttctg cctctgcctc tccatctccc 240
tcgacctctc ctggttggtg agctgctaga gtttgtctct gattcagctt ctttgggttc 300
ctcntctcct tgntcntggc tttcaccagc ttcntcttcc ntcgtttcgt gacgttgatg 360
catgagctgg ggggaggaag atacattc 388

<210> 806

<211> 377

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-039-Q1-E1-B5

<400> 806

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tataatttct attaccttca ctccatcaga aacttagaca agaaaagacg gagatgttca 120
 ttagcacagc gcggtggaac tatctttccg cgctctcaga aattcaacac tgaaagaata 180
 actctcgctt cnttttctct ttgctattac atgattgata catccagcan gacaatgact 240
 aaagagatag tcntttcacc tctctcattc cctcattcgt tctctgtcta agttacangt 300
 anactctctc ctngaattctt tnttctcant cttgcanatc ttctggctan tccggaatat 360
 caccgccttt tgtcaan 377

<210> 807
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-B10
 <400> 807

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 taagtactat taaacatgaa gagagaggat atggatcaat atatctacga gtttaagtgc 180
 ttgaaattaa ctgattaggt aagaccctac tttgtggcat ccttagcctc tccngcttta 240
 cctccgcga actctgccgc cttgtttgcg gcttcttttc ctttctctc cacatacgcc 300
 gcagctttct caagcttctt tacccaatgt anctgcggtt tcaactgtttt tttcaacaac 360
 gtagtcnttc gctttcgcac caaccggct 389

<210> 808
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-C11
 <400> 808

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 cgggtcttga accggcgctt gaaccggatc cgagatccca gcttccttga ggactcgttg 120
 tcggcgtaga cgccgttggtg cttgtaccgc cggtaacatc aataacaaaa ctcccgccat 180

ttttcaaact gatcgacgac gatgcagaaa ctgcggtggc tataccgtct tggaaaagct 240
 cgaaacgata acctagagtgc tcagaggtaa ccagcctcac gccatgcttc tagtcttccc 300
 catggcttcc atgtgcaacc gtcaggtcga ngaataagcc acgctccggg gacttgaccg 360
 agtcaccccg gttcgaacca aggagatggg acgaa 395

<210> 809
 <211> 137
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-039-Q1-E1-C4
 <400> 809

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 ccacaatgct cacaacaat atagatacaa taagaggctt tgtgagttgg ggaacataaa 120
 gatgttggtg ctcgagc 137

<210> 810
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-C7
 <400> 810

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 ngaacacacc acattttgat attnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn ncttggttcc cactctccat caacagactc tttccacact 240
 gtaacgttat tgttcccatc ggaaacagcc aacaaattac cgggtcaacga ccacgangac 300
 ccgccacact ggggtgttttg aaatcnttca aaacagtacc ttcccattgc tcaacttctt 360
 tcccctaagg tccaataatg atnactttcc atccttctga anccaa 406

<210> 811
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-039-Q1-E1-D11

<400> 811

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaca aatataaaaa caaatccaat 60
gcataacaat aaaacaacgc aaaagaagat tctgcttgat cttctttcct gtcctataaa 120
gagttgttgc tagatgaaga actagagaga aaaagattca gttttaattt tccacctata 180
aattgttcaa aacataaaca acaataaacc caaatgacaa cgcagatcca gaagaccccc 240
atgtagaaag cangtgagtt ccaagaatat ggcgaggaaa gaaacttaca attaanggga 300
aagaacagag nccttanctt tagccacnct tngaccggtt ccgagttcnt cttcagctgg 360
tttttaacng naaagcgcaa tgggggtgga ctttcc 396

<210> 812
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-039-Q1-E1-D3

<400> 812

tttttttttt tttttttttt tgaaaacaaa gttcttttta ttgagatatc tgaattaatc 60
agactgaata caaatatggc aatccggagt aatgaaacca cgcacttggc ttgttttatt 120
caaaccataa ttattcactc taagttacca ctgagtanta tgcagcaatt actanaaaag 180
taaaaacana acaaacgata cttagcctat aaacagaacc aaaccggttt agttgttttt 240
ggcggcggttt tcaaacgacc aagctccaaa tatcgtgacg ctcaacggca cgtcccatgg 300
aaccagcaaa accgngtac atgttttgaa gaagaacttc attgagcact cngggagctt 360
cgatnaaang cccgcttaag gttccttaac ggttttcaag gccgaagtgg aa 412

<210> 813
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-039-Q1-E1-D4

acgcttagct tcaancatcg ctctcttctc ttengcttcn gttgngaagt tgagctattt 360
tgttcgnc 368

<210> 816
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-039-Q1-E1-E12

<400> 816

tttttttttt ttttcattga aaaaataact tcaatctaag caagtagcta cacaaagaag 60
aacagaatca ctatcagcat cacaaagaga agatgacact tctacactct ttgagtttct 120
tttttacaag tgatcaaaan ggataaatag agaaaaacaa anacaaaaca aaaantccaa 180
acatgaatca ttcacatcat tcagacagac atgtgcaaga tcaaggagaa tcaagantct 240
cagttctgct tctcacaatc cgatggaaaa cttctcttac tttcctctca aagcggatcc 300
aagccatttc tcaaagcttc acgaacttga acaagctcat cagnnctctg ttnactcaa 360
ngtccggtgg cnacagtcaa cgggga 386

<210> 817
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-039-Q1-E1-E4

<400> 817

tttttttttt ttttttcata caattatact ccattaatct ttcactttta cacacaatca 60
cccaatatgt aaacaagaca canacgaccn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngagat gaattgttac aaagatacan 180
attcaataaa ggcttangaa acatccacac gttgcctttg gtactacacc agtggctcta 240
tacttagcaa ccatttcttc agctttgana aagctcttcc ctttttttaa gcttcaacca 300
agtgcgctcc ttctcttctg cnaacttgtg ggantgcaag ctacnttgtt cntcaatttc 360
ctcaccgtac tgcgcctttt tcntt 385

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<210>      818
<211>      385
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-039-Q1-E1-E5

<400>      818
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tttttttttt	ttgtgtttat	gaatgaatat	tcaagttaga	ataagattac	atactgtagt	60
acaaagcaaa	ataaaatcac	ttagataagt	cagaaaaatc	gaaacgttaa	tctaaaaact	120
cagttcctac	aagaaattta	gcaaataatta	ctatagcctt	agatcgagat	ctttcgaact	180
ttggccttct	tcaatcntca	taatatcacc	tttatcacc	gtctgatttg	atatggggcca	240
tggtttgacc	aatggcggtta	tccggcgggtc	tttgtgacga	cngtcctgcc	tccangtggt	300
tgaccgggtta	caatctccgg	cttggggagga	taacgatgat	gacctgcgtt	ttggttnact	360
tggtacggga	gcctagccc	anagg				385

tttttttttt	ttaagattag	atatatagtt	tttgcctaag	atactctcaa	gaacgtacac	60
acactcacat	aagctgaaac	aaaaacagag	gatacaacag	aaagaaagta	ctgagaaaact	120
gggcaatgag	gcagacgctt	atttacttgt	agcattatta	ctgtgactga	agcaaaaacca	180
cttttgtcct	tttagaaatt	tctcacagaa	ccttctctga	agctggcctc	ttggtgatct	240
cagccacca	ctcgttgaca	cgtggacgct	ccgtgaaaga	gcttcttggg	gggagttccg	300
ancaagtant	gaatcacggg	aatgtgggtg	aagatcgggc	aaagtgaaag	tttcaccagc	360
caaatacttg	aactccttca	gcccacctc	cgtnggaaat	caaggggcct	tgg	413

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-E7

 <400> 820

 tttttttttt ttttttcata attttgcaaa cagtgaaca agaataaca aatgaaggta 60
 atttgn catt tgtttatgtt tcagccacaa ttctatttgt acaagaaagt agataaagaa 120
 ctgagaataa accataaaat tctcacagt accttttgag tttttttgtc tcatgcttcc 180
 tggagaagag gcgcagcggg tgatttctctg gttactgcat caggctcgga atcttcgtta 240
 tatcgatcca nactattcag gaaaatccn atggaccaa ttgcancaag ctggaaagag 300
 aacgactgta anaacaagga gaagtcactc nccaattgtt cacgtantcc ngannaactc 360
 canngagtgg tgangaaggt tcattctcaa agntcc 396

<210> 821
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-F1

 <400> 821

 tttttttttt ttttattgag gacaatctaa ctgactcaga atcctgtagc tcttacacat 60
 ttcanaacaa atcatccgag aaacatgagt agccgcagta ttattattcc atccgtacag 120
 ttttattatt cgttctcgct agtagctacc caaaaaattc aacaaattgg aaaataggaa 180
 ataataaatt caataanaaa atagnngtaag taaatctctg agaggccgct ttagttgtgc 240
 ttgccatcgt taaactgtgc gtttttggac gacttgaaag tttcaagaaa ctcttttagcc 300
 ttttgnaact cttgcttctg cctcgacttg tcccatttgt gttcacttgc tagaatctcc 360
 ancacacgct gnaacgcccg aggcgntgga acagt 395

<210> 822
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABL1-039-Q1-E1-G2

<400> 822

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tttttttttt ttgaagttaa gtatctacaa gtttttattt tcattgcagc aaaaatttnn   60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  120
nnnnntcata cacgcataca taagagaaca ctgaacacct ctttggccta caaaagcaaa  180
aaaaccacca cttcatgcag tctaaacgac atcggttaag ggtgggtact ctgttttctt  240
cttctcttct ctttttcaan acttgtgttg tgtgttaaga gatnacatgc cgtaagtagg  300
aggagagctc cctggncaan tctctgatcc tctgctggc ttctcgaaag catcccggac  360
gtcgaccgtc tccctaaaac cgaaaagggg tcccttcccc ccnggc                    406

```

<210> 823

<211> 467

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-038-Q1-E1-C6

<400> 823

```

cgccgnccgg cacaggtcca aanacnnntt cncgggtcna cnaccncacn atncggcggn   60
cgncnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagagagac  120
gattgccatt taagaaagaa accaaacatt gaaacagaat aactggagg aacatatact  180
atataatcag agaaggtaga tttatttgat atatattagc taatacttgt tcaactttctc  240
nggaacaagc ttgagatgct gcgacttggt catagcaaga ccagtcanga catccatatt  300
gatatcatct ggtttcatcc cattaggaag tttaaagttg aagctgagga gaagggttcgc  360
ataaggaacc tcaagcatcg cgcccccaag acgcattccc gggcacattc tccggcctga  420
cccgaanggt ataaactcgt agtccgtgcc tttgaaagtc aanttcc                    467

```

<210> 824

<211> 385

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-038-Q1-E1-D12

<400> 824

tttttttttt ttttttttac catgagaaac tcaacttcca aaaccaaatt gaaaatgttg 60
tatcgagtag tattccgggt agaagaatcc ggtccgtatc atgaaccaga ttctctttct 120
gtagctctcg gtaaataacc taatcacact aatgaaactc agataactaa acttccccat 180
cagattagag atactctcat actcctgagg attgacatct aggctagttt actatccggt 240
ttgtaacaaa accgaaccgg ttgattactg aacgccggac aatttagccc aatctacaaa 300
ttgcataccg ccatacacat tgtagcaaaa ccggactccc accgtgaatg ccatagcgac 360
cacaggggat acgtttgggc gnctg 385

<210> 825

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-038-Q1-E1-D3

<400> 825

tttttttttt ttttaatttg gtattgattc ttgacattat tgagtcaaag tacatgatac 60
aggaaagaag gaaattacat tttatgcata cgtgtcatat aatcaaaaga acaaggagta 120
gcaatgaaat ccatggttgt ctttattctt gatattccag agatttcttt agctcttttt 180
tgttcacctt tcccatggcg ttgcgaggca agctctccca tatcagcaat cttgttggtta 240
gcttgtaagg agcaagcttg tctttagccc aaccgcacag ttcttctaag gttattacag 300
gttttgactc atcctctctt ctcttctttg ctgcactctc tgctataatt atcgcagtc 360
cggcttctcc atagtccgtt gtctgttaac cccaacacgc aacattc 407

<210> 826

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-038-Q1-E1-D4

<400> 826

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnngagg gaaaatcncg aatctgggta aaaggaaacg ttataaattt agtaaacaac 120

acgcgaatta acatttcggt ccanacaaag aagacttaaa cgaaactgtt tcatcaaaaa 180
 agtaaaccac acgaacgata accaaaccag aagtggngac acaaaaccaa atctaaacca 240
 aaaacagagc agcagcacgc aaacaactcn atctttgatt accanccgnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ttcgtaacct ccgctaagtn 410

<210> 827
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-D7
 <400> 827

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa 60
 aaaaaaaaaa attggaanan ccgccgaaat tgggccccat tttataagag tcngaattat 120
 aggataaaaag caacaaaaaa aaaaacttgt aaattattag agcgaagaac aaagagtang 180
 aaatgataag agtttganac gaaagaacaa nagatagaag gaagaagaca agacncccn 240
 cgatnaaaaa ccaaaccaca cgttgttcnc cnaagccttg tttgcaatgt tgttanagag 300
 ccagtcaagt cccccaaaaa gcccttctcc ggangtagca catgtgcccg gtatgtacca 360
 agtgtccntg acngaaaaga gtgaaatcca agcttancg 399

<210> 828
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-038-Q1-E1-C3
 <400> 828

tttttttttt tttgtaacaa cgattatttt ttttttgaat ataatttaac attagattca 60
 aaaaaacaaa ataaacagaa aaagcgttct ggtttataca ataagcatac catatgtttt 120
 tctccaagct catctacaaa ctgatgcgaa taactggcag aagctcaaga ggaactttct 180
 tatcaacagt gagatcacca gtttcttcca tgtccatata tttcttcttc tcaggcatat 240

tccaatcaaa gaagtagagc aaattcaaga gcccattc aatgggtgcg atcgccatag 300
 ctattcctgg acaaattctc cgaccagaac caaatggtaa caactcaaag ctatgtccct 360
 tgtaatccac aggacaatca ataaacctct ccgggttaaa ctctca 407

<210> 829
 <211> 92
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-E1
 <400> 829

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncaaac 60
 agcatccaag gtcttttagt tgaggtttct tc 92

<210> 830
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-E3
 <400> 830

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncgcca agatgactca 60
 tcgcatcatg cataactcaaa aacattttgc taacaagaat tccacaaaat tttgggtctc 120
 acattcccta agcaagcttg ttttattatt gggcctatag gcccatgcta ttttttttcc 180
 ttatttatgc ttgcagctca tttataacct taaaaataac aacatactac acgctgaaag 240
 cgcattaatt attccttatt actacaacaa gttcccaatt tttaaatacg cttacataaa 300
 aagcccacaa gtctctaagg attagttgaa attaacttca tacttagact gtcgatctgg 360
 atgaaacaag tccccaaaac ttctcaaagc ttgggttcct tcttant 407

<210> 831
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-038-Q1-E1-E7

<400> 831

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tttttttttt ttttttttgg atgcttgaaa tcctcgctg aagctagaac taatgaggtc 60
aaacgatgtc tgggtttata accctattac attgaagtaa ctaacaacaa gcactacaat 120
ttttgaactt attgttggag aattaagatc tctctactat tcctcggtaa caacaacacc 180
aatctcgct ctctcaagca aatcatagaa gactcttggt ttctcttgct cgttccagt 240
atgcatcttc catagccac cagccgctag tccaagtgt gagaccaata actaactcct 300
tcacaacact tgggcctttt aaagttgcgt gtgctatctt gtgccagcc atctctttgc 360
cactctcact gaaatccaag aaaatgggta tacccaattg tata 404

```

<210> 832
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-F1

<400> 832

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tttttttttt ttaagaaaaa gacaagtcca ttaattaa taaacacatg atccagatct 60
ctcaaattt ttcaagctca attacaaacc aagatgcaac aatgaagttt tataaagaaa 120
gaaatcaa atcagatctgg acttgaatgg aatggctctg atgacaagtt ggtggtaaag 180
agccgcaaga gctgctccaa tgaatgggtcc gaccagaat atccagtggc cgtcccaagc 240
gtggtccttg ttgtagatga ttgcagctcc aagactccta gctgggttaa ttctgttcc 300
ggtgattgga atcgtcgcca agtgaaccaa gaacacagcg aatccgattg ggagtgggtgc 360
caaaatcggg acgtgggagt cagagcgct tctctgggg tcagtggc 408

```

<210> 833
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-F2

<400> 833

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tttttttttt ttttggataa catgtagtac cgtcacgaga ttttaaacct cgtaattcgt 60

```


ggacaagaag catgcctgcg aagccatttg tcgatgcatg gtaggtggaa catatgatgg 300
 cagtgcggca aacttctaac tgtctctccc acctgaaagt cctgaaggca gacangagca 360
 agagacaatc tccgggagan gtgtccgtga atccggaacc ttagg 405

<210> 836
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-G2
 <400> 836

nnnnnnnnnn nnnnnnnnnn nnnnnngagg tctcgatat tatgattagt catatatcgt 60
 tacgacaggc attgatcgtc tgataggatt agatatggaa cgactctata cacgaaaata 120
 tttagtcttt ctgtanaatc tatccctctt actaaggaac cctttgcttt gggctcttgac 180
 aacaatatac attagtgatt ctgggttctgt gttgggtgtan gatgttcagg taatcaggta 240
 cgaaantgcg actggagcag acagagataa gtagttgacg taaccttcan agaccgagat 300
 cacaaaccga tggcaagcaa gcgcagtggt gggtgagaga catgacaaaag gaagtccagc 360
 agaatctgng catcaaaaac tccggtcact cccttgcaag aactccagta nct 413

<210> 837
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-H5
 <400> 837

tttttttttt ttgtcacaag agtgtccatt ttgttatatc aacataagcc aaagtttgag 60
 acaaacaaca gagccaaatt caactaaaca taagtgtgtaag actttttcaag cccaactatg 120
 aagcccaagt aggaaaccgc atcaggaaga aagaagaatc attgaaacag ancctaaaac 180
 acgtgtcatg aaaagggttag gtgctgaaga cacgtgagaa gaagaagatc ggagaatcac 240
 tggtcgccgc cgaagaagat tgtcgactcc attgaaaccc agaacgccgc gatatgcatg 300
 ttgaatccgg tgatagcant tgtcaattcc aaagctctaa aagacanntc ttcagcttca 360

tggaattca acttcaaaaa tcntcccaan ntaaagcgtc aacgggttca acga 414

<210> 838
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-A10
 <400> 838

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnggtaac tttgactaaa agagtgtgat 60
 accacaaatt ccatcacaag aacagagaaa tttaacagat tcttaaaaca tgtgtaaaac 120
 ggtgtacaat gaaagcaaat taagtagagg ttattctgac ctcacagatt atgtaacctc 180
 ccgaccaaat cagttgagct tcantgangc aaatgatgaa gccanatcca aagccgcctg 240
 cacttgngaa gcatccgttc ccngccctga ggcaagacca cctttccent tcccgnaccn 300
 tcctttttaga ggaccantg cagttgtcan ncattcagtg angtcgaacg gggtg 355

<210> 839
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-A4
 <400> 839

tttttttttt ttanttgaaa cttttgtttt tgaaactatg aatgctagta ggaaaaaaga 60
 attgtatcga taaatcgaac tttgaagaag agattgcgaa atgctgaaat aacaaaatct 120
 ttgcaaagag ttttactccc aaacagaatc aaaagctctc tatccgacaa aaaagaatga 180
 aacaaacatt catctcttca agcttctatg actgggtact cgaaaactac atctttccct 240
 gtnagtttcc tgtncacacc caccattgtc tccagcttgt actcantgtc gttctttaac 300
 ttannatcca aaantacctt catgatcttt ggtgccatca agncnggtat ctgggtctct 360
 ttccnacaag cctcagccag gggtnaaccg acatcct 397

<210> 840
 <211> 418

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-034-Q1-E1-F2

<400> 840

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngagtggga agttgactca   60
ttacaacaaa tgtccgaaca aagaaacaca cttgaaagat aagttttgaa acaaaaggga  120
caaaaacaaa agcaccaacc aacttcataa gaaaagatta catcccta atgtgacatgtc  180
taggcaaggt caagacaaag gagacggcca tcaaagcgac ggntagagca acnactgcgt  240
gaccatcctt tgctgaagct gacccctcct taaccgtgga cgtagctgga gttgccggag  300
actttcctgc nggtgccanc ggggtgtgtt gtggcattgn ttgtngaata cggctgcgtc  360
tggcgagcta ggtgaaaatc ccnanaaagc tttggacaag ttggggaaat gcgagcgt   418
  
```

<210> 841
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-034-Q1-E1-F6

<400> 841

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnncata cagtaaacgg   60
aattaaaaca taccagtagt aaacatctga attcagcact tttctatgtt tgcgagttca  120
gtgacatctg aaaattacaa acttggcatc tactgatcag caagtaaagg ccggtttcga  180
ggaacaggag tgcacttcag ggaatgagcc ataactcaagt ttagtcctcc agcctcatcc  240
atttggacct tgtctccttt gatacnccag tcaaagcatt gcaccatcat tccaactgcg  300
gtgccaacaa gagatataac ccaagacttg atccangann agcctctccg tccactaccg  360
aaangaaatg gtacttaagt tgcttgctcc tcacccnttc ct                               402
  
```

<210> 842
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: ARABL1-034-Q1-E1-G2

<400> 842

nnnnnnnnnn nnnnnnnnnn nnnnnagagc tcaagctctg agaggaaaat gcatcagcca 60

aaccaaattt ttacaaatta agaacaatt ggtgacaaaa aaaatgaaaa ttctaacacc 120

tttctctnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngtaa tgactttgtt 240

gaaacggcgc agacacggcc atccacgggc ggtccaacat attcggttgc attgangatg 300

tattgtgaa gccactcgac tgtggaggtc caactgtgtg ttgctgcatt gggactgntc 360

acagtaaag ttttcccaag gnaaatctgg ttacaca 398

<210> 843

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-034-Q1-E1-E6

<400> 843

ttttttttt ttggaaaaaa acatgaaatt tcttaatttg gaaagattcc atggtgttgt 60

tctacatggc aaggaaaaag acatattatt atgttcacag tactctgaaa tccatagaca 120

aagctagaag cgcttttttt atgctcacat tgtctgcaaa taagaagacc aattaaagg 180

ttctctcaa accaagaaaa aaacttttaa tgctcttttt cgtaatcgtc cttgngttcc 240

aaagtctctg caccaagatc tgtgaaggaa ttgggcgtac tggcatgtgt gggcctttgc 300

tcaagcttag caagataanc ttggcgatgg gggatgcaca caaggaaaaa cgcccgaaca 360

tagcaatggc ggtgttccga cgccaaatgt ttgggggcct acagttaggc ccaaca 416

<210> 844

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-035-Q1-E1-A1

<400> 844

60 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000

tttttttttt tttttttaac tcaaaaattc tttagctttt tatcggttgg taatcactac 60
aatacgttgg agatgtttct tttttgttt cagagcacat gagaagaaag taaacaaact 120
aaaatataac ctcttcctac ctttttactc aaaaaagaat cccaaaacaa aaaattgaag 180
tgaagttaca agtctctgta attatcttcg tgtagagaga ttttatacag gttcctctgg 240
gggttctctt ctgatatctc aaagcatcna tacattcgga aagctcccat tcattgcctt 300
tgcctacctt gaagaccaa tgtgggcntc angttgctg tnanccctgt gaancatacc 360
atcangcact tcangaagtc gtgaangaga acctttggat tcagcagtga natacg 416

<210> 845
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-A11

<400> 845

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acaccaacac acaaatacac acataaagaa agcatataag cagcagcttt ccctcctcat 120
cttaagcttt gagcatccgt agataatcan cgatgattga catcgcanga tgatcggtag 180
cccgaagcca aacaggttat aatggttcaa gtaatgatag agcaaataca gatncctcct 240
cttctcatnn cccgcttggt ttggcattac cttgaaatac gcattgtaga aagattctcn 300
aaatcctgcg caccacgaca ttccaaaatc cgctcgtta ggnccatagg taagaagcan 360
gatnaagaat ggncanggtt cggtggttct tggncgtaag gc 402

<210> 846
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-A4

<400> 846

tttttttttt ttgtatagag aacctaaaag ttcaaactt ccttttgaag ttttgtatag 60
agaacataaa tatttggttaa agtgacactg aataaataca atatttcttt attttggtgt 120

tcataaaaaag atttgtagat tgacacacga nactacccat tggtttggtg cggtttaggt 180
tcaaaactcca aagatgaata ggttttccat taagacctcc aagaagcagc cagcttgaac 240
atgaccaccg tgtgtttcca attttaccga tcgngagcta cttaaatac atatanaccc 300
tacggtggnt tcaccgtatc cagccaacgc cttccccgtt gccgatcaca atcangcatc 360
ccgggcctca ccgctannta agttacattg gtacacatca gcagggatcn gg 412

<210> 847
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-B11
<400> 847

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tttacaccaa aagaaaaaca aatacaagat ggttcagcaa caaataacag agattaacaa 120
catctcgagg aaacaacaag gaagagacca naaatcaata gcgggttttt tcaagcagat 180
ttagcagctt cagctgcttc ttctgcagct tcttcgtctt gaagtttctt canagacgga 240
ggtggtcttg gnactatgct tttcttcnat tgnccgtcaa gtttcncga caaccctttt 300
cnttatccn tcnttgatct necnctctct ttnaaacgt caacatccga ngcancttgt 360
ttcttcaata cgacnaaaag tcgcaaanat ttgaacctca gtccttggcg gn 412

<210> 848
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-B4
<400> 848

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagaccaa attataata taaaaaaaaa 60
caaataaagt cttcaaaaga agattttgtt catttctaca tttttaattt gctcttcaat 120
ctagtcagag ctaggaaatg gtcttaagag cttcatcttg aaacagaagt ccaaacctat 180
ggacgcaaac gcaaatatca agacgctctg agacaccaa acggcgccgt ctatcccatg 240

tgaaaacaag ctttcccagc tcagctccaa tggcggctct ctgctcaaca taccaaagtc 300
 ctttaacana cccaaaagct gcaacggggg cgggntttg agatgattat catccaaagt 360
 ctcttctgac tgcatacctg aatgtgactc caaacantgc acagcttgca aacgcna 417

<210> 849
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-035-Q1-E1-C10
 <400> 849

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 aaagatctct gattccaaaa tccaacaaag ctgagttcaa taacatgaaa taaattaaaa 120
 agagactgaa ttgaaaaaaaa aaactaagca gtgagaacaa cagcaccacc agcttcctta 180
 atcttcttct cagcagtctt agagataagc ttagccttca caacgaaagg tttgttctca 240
 ggcaaatgac ctttcccca aaccttgaag aaacctatgct gcgtcacatc gatcaacgga 300
 acattancct tgctcgattt cgccttcacg tcntcaggaa cangttgacc atnancntgn 360
 ccaaggttca cganntgggc aaaagaacnt tgttnangaa agccctgggg gaaaaan 417

<210> 850
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-035-Q1-E1-C8
 <400> 850

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 aatgtcaaag gctttttgat cagtagactt caacgttcca ttgcnctgcc ttcttcaact 180
 gcttcttgta atcaaaccan tcaataccgt catttgcagc caatgagacc ataatgtcat 240
 caattccttt ctccantccc ttgagtccac acatgtaaac aaaagtgttg gtcnttcttc 300
 agacaacgcn cataactcan gctgcgtatt gccnchaagc cggacgtctg gatatanatt 360

tttttttttt tttttctaag gaaagaagga gccgatgggt ttgcttgaaa acttgtgtca 60
tacaacatat ggttcagaaa acaactaatt atagttcttc agccagacca aaacaagtaa 120
tagctcgata cgaaaaaaaa atagtctcaa atcgaagaag aaaaaacaag taaaatgcac 180
ttaatcgaac aagccaaaac ccaaattctcc atcactctct t 221

<210> 854
<211> 381
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-E9
<400> 854

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taataagata aaccaaacta aaccgagtca aaagcaagat tacatcccat tcttgcatgtg 120
cccataccga aaccaaataga tgggttatata gttccaaaag attattacct ctccatgttt 180
tcttttcttc ctttacttct ataatatggc taccaaaaat aaagtttctt cttaaaaagtg 240
taaaaagagg aggggtgggtc aggttcttaa cctgaccttc tgtaaatgct gtaagccacg 300
gcaacgggttg cgacagcnga aactactgct gtcccaaga ggaacctcnt cctttcccca 360
tcgattttca ancaagttta g 381

<210> 855
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-G1
<400> 855

tttttttttt tttttttgct aagaacatta atttactttc caaaacatga gttcattggc 60
aaagaatatc aatttggtac aacaatactt ccaatcacac ttttcatttc tttgcttagt 120
tttattttcta atcgctaaaa caaagtttac cctagcaaat aacctgtaca cagcgtatcc 180
aaaaacacta aagacgatga tgccctgaga acatccaccc aaaatagaaa ctaaacttgt 240
ggttgtgcag aaaccttctt caagatctac cattaggacc aagaagtagc catagctaat 300

ttctcggacc tgaggctgga acttgcttct gaaagtgttc tcatcagagg ttgccnctc 360
ctctccttg tggtcnccat tttcctcgt ggcnagttag aaancgggcc acca 414

<210> 856
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-G11

<400> 856

ttttttttt ttcgctatat aattattttc aaaatatttt aaacgtatat gaaatgtatg 60
aagaaatatg ggaatctcaa acatttatta acctaactac ttgaaaaaaa ttaatcaaaa 120
tttaacgtct tttaacagac cacgaacttg ttccaaggta aggaacaaga tcatcgtgaa 180
cggtccttgc ctcgtcgccg tcggaacaag ccctttgtac aaagccattg gtccttctc 240
tgccaccatc ttcaccgcac aatccaacgg tccaccgtaa atctccttat ccgcattcat 300
catcctcgtc ttcacaacgt cgatgggatt cnacgccacc gccgcgacga atcccngccg 360
caaaactcgc cgctanatgc gttccg 386

<210> 857
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-033-Q1-E1-E2

<400> 857

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gncgaccttt tttttttttt ttgaagaaga ggttattaaa ttcagacatg aatgtacaac 120
agaaataaga gtttttggga accaaaagcc aaatgcagat aaaaagaaaa gcaagtagaa 180
atggacttcc ccaagaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnncaga cccggtttcg gcttttgcca aagctcttct 300
ccgtcttatt tacttgacat ggcaatcata aggagaagaa gcaaacactt gatctggaac 360
cactangagg taagcttctc tatatacaca aacaacctct tcttattctc ccgctcaatt 420

gtatacatat taaccgtatc ggatttctcc attaacatcc atnagtcccc tgaagt 476

<210> 858
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-033-Q1-E1-F7

<400> 858

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng agagaaaaac 60
gagttatttg attaatgaaa aaaatacaaa gtcttgcaaa ttttacatct aaacaagctc 120
tctttctcct ctcaactca cgaagcaaag actgaagcaa aatacagata aaacttggcn 180
cactttccgg gaacaaagtt ggtggcgaag gcccatgcgt tgttgtnaac tgggatcggg 240
ccaaatggtc agcaagggtt ctctaaccgg tcccttacca agtgacnat ggcttgaacg 300
aaagaaacca anacatanga gaacatagcc aatccttccc gttccttgaa gcccttcac 360
cttcaaactc aagcgaatgg cctctggggg cggtanccaa aaccaatgg ggtcca 416

<210> 859
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-033-Q1-E1-F9

<400> 859

nacctttttt tttttttttt tgaaggaaaa attaacattg atcatgtaac aaagataaaa 60
agaçaaacta aacttgtcgt gattctatat ttcgacttct ttgacttcac cacataacat 120
acacacaagt annggaaatt tgtagttatc ttttaaagac aaagtaaaaa ataggagata 180
gtttcaatat cttccagcca tagaggagat atgcttcaaa catgatatag cttaatgacc 240
tgatcaatgt tggcgcgaca aacaggacat cccattttct tgttttcaat ctctttcaag 300
caagaaatgc atccggcgac atgtccacac ggnacacac actgcttcan aatgggtgcat 360
ccacacaaat cacanaagct ccatncttct ttattcgcag tttttggaga aaggantta 419

<210> 860
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-G1

 <400> 860

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tttttttttt ttattttgca accgaataat catatattga aactcaatac taatcacann 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn caacaacagc agaaacaaaa gcgaccagaa aagtagcacc acctaagtag 240
gaagcggcat ttccagctgg aagtagtggt tccgctagag cctgaangtg ttgtgggtccc 300
acccgcagtg ggaggagtgg ttccctccaa gtacttgggg ttgatccaag ttgctggggg 360
tagcaccggc accanggagg tancacctcc caagttgcac caagnagcaa ct 412
  
```

<210> 861
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-D9

 <400> 861

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nccttttttt tttttttttt ttagttcgcg gtaacaaaac tcttatcttt ataaaggatg 60
ctccaaacaa gagtttttcc atcacagctc aagagaaaca actctaagtag actagcttta 120
taacgccata gatgaagggt tctttgaact tgtgaagaaa atgtcgaata tgaagcggta 180
gtttatgttt atatggtctt ttagcaaata ccacagagaa tcaaaactta actctttcaa 240
gattttttga cttgggactt gttgttggtc tcacattatg gtacatgagc aaaagcttct 300
ctgtggggnt tcttcctttt cgattttttt ctctggtctt gcttttggtg gagacagttg 360
cacgacaaca tgnattgtaa tgacgggatt tangg 395
  
```

<210> 862
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-G2

<400> 862

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ngttacttgc ccgccgttac cnatccaaaa ntaccggtcc annaccncaa aatnngncgg 60
acgaccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncg tcaaatatga ctataaatag 120
tgttacaaat tttcttatgt tacaaaatta caaaagatac ataaaagttt agtaaatact 180
at ttgggtaca agctctgttt tttagagag taagaatatt taaatgtatt tgttctttac 240
at atccctacc aatatatgtt aactattggt gtaagattct ggagccatgg gcttatactc 300
aacaactggt ccattcttac tcctgggttt ggtaattgta gctctggtaa acttccaaac 360
ggtagcttca gtgatgaaga aggttctttg gtctctgctt ctctttgttt ctcttcggtt 420
ttcgcgtttt cttgatgcat ttggatcntg tttgcttctt ccc 463
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<210> 863
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-G3

<400> 863

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tcggcgggccg nccttttttt tttttttttg ttatgtgtaa ttcgtgaaac tcttaagcat 60
tgccagagaa taacatatca ngtatccata tagatatggt tatttcttat ccaactagta 120
atgtacaaga anttattttc anaggacaaa tttcccactg tacgaaatca aatatagcat 180
acaagaatca tcattttctta aaagaaaaat ctcttaagct tttgctaggc cttataggag 240
gaagtccac agatgcaana acaggttctg anctttcang cgcaagagaa tnatgtgtgg 300
aagtttcang cttcttgng ttgagactca ngatccaan gttggtgttc atgatgacca 360
cggaccngga gtatcnaggg agaaggagaa cntgggtatt ttgcaaangc tccgggtaat 420
gga 463
```

<210> 864
 <211> 214
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-033-Q1-E1-G7

<400> 864

gccgncnnnn nnnnnnnnnn nnnnnnnnng ataaacaacc actcaaaggn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn caagtaaaaa caaatagaac cattaanaat acagtactca 180
cactcacaac gacaacgtac gttcncgctc gagg 214

<210> 865

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-033-Q1-E1-H9

<400> 865

tttttttttt tttaagact tttaatcaat ctccacaaag atgagaccaa actcaagaat 60
cctgaatact gatgtataat actaatacaa ccctcccagc aatttggtta agtttaacac 120
agaagtggat atatatttat aagcttagct tgggtcaatc catttctgtg ttaaaccaag 180
ctaagcttat aaatatatat ccactggctt gtgatcttgt agctttttct tggactttct 240
tatgaagaag aaccactat gggcaagttt ggtgcagttg ccatttcagt ccaagacca 300
tcatagattg ccacattagt ttttccaga cgataaagtc ccaatgccaa aatacaagct 360
gttacaccgg ttccacatga ngccgcaatc gggngctgtcc agaagataa 409

<210> 866

<211> 391

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-034-Q1-E1-A10

<400> 866

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aacatttttt tacaatcagc taatctagaa gctttganaa caatccaatg ttgatttttt 120

ccantttgac cctctgaagc ttaagtaact acnagttgag agtgtccaag agatgggncaa 180
 ggagataaca gaggcagggg naanattccc atgtctttac tgtctgctcc gtcccaaaan 240
 cccttccaac ttgatggcgt taatgganaa ggcacagcc tgaacctgag nttcttcctt 300
 cttaanagct ttacggggtg atcaagctgg ngtttcnanc cgccgtcacc tgtctcttcc 360
 tcggttgccg tttaaaggaa aataagcctc n 391

<210> 867
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-034-Q1-E1-A5
 <400> 867

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 cttaattaca agaagtgcac gaaaatcact agagaaaaag cataattaca aattcacccn 120
 aaatcattat tcccggccca ganttaaccc ttccttaatt gccctttcac cttcaattt 180
 taactttatt cccattttgc cctcctctgt tttttccaca gagaaganaa gagcatctaa 240
 tcnaatccaa aatctcttcc ggtggtgttt tcangcttca attccaatga tcaacggggg 300
 agtaccagtg taggagaacng cnggttggtt catcgggaaa nggaattcan angcttcttc 360
 tccgagtcag aaaagtcctc atgatngtcg gtctgccgcc angtcg 406

<210> 868
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-034-Q1-E1-B5
 <400> 868

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 catgtacatg tattaatttt aactgaata aatctataaa aaaatatata ttgcaacccc 120
 caataatatg aaacgaaaaa agatagaaaa cgcaaaccga ctacggcttt agtacatata 180
 ttcatatata tgaatagatc atagatgtgc atttcaaagt tatgacctga tcaatggcca 240

ggtatatat ttt cacactgttt cnaagatgat agtgcaaagt gtacgtcgag cgtggcgcg 300
 ctacggnccc tacacaacgt tgggtggtaa cgcattcttat acagagggaa ggaagagacg 360
 cctcctngna agtggactga agctgatcat catgggcaat tagtggncgg c 411

<210> 869
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-034-Q1-E1-B6
 <400> 869

nnnnnnnnnn nnnnnnnnnn nnnnacctga agttatgcct caaaatcaac atttttaaagg 60
 cagaagcatt attagataga tatcatccat aaccataaga cccacattca ctgttaactt 120
 atcgatatta gacagaaaac tttcaacagc gaaatacaaa acaagagaga gaaaactaaa 180
 agacactcat ctacaactca aaatgcgcaa aagaagcagt taaaaaaggc gttgtcacgc 240
 cgcaaggggtt aagatttgggt atttcatcct aggccctgaa cccttacatc tccgactaac 300
 gccgggtata agacgggttg ctactactcc cgagcccgtt tanaaccagc ttttctgggt 360
 tctggangtt aggaggcaac actttggngt gggacatata aaggaataa ggcaaaat 418

<210> 870
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-034-Q1-E1-B8
 <400> 870

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 tttgattaat gaaaaaaata caaagtcttg caaatcttac atctaaacaa gctctctttc 120
 tcctctcaca ctcacgaagc aaagactgaa gcaaaataca cgataaaact tggctcactt 180
 tccgggaaca aagttgggtg cgaaggccca tgcgttggtg ttaactggat cgngccaaaa 240
 tgggcagcaa ggntctcnat cggtcennta ncattgacga tggnttgaaa cgaanaatcn 300
 aagacatana gaaacanagc caatcttcng ttcttgagcc tcnttcacct tcaagtcann 360

cgaatgcctc tggggtcggg angccaaaac ccaatggggt ccgaagctgc caaccggggg 420
t 421

<210> 871
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-034-Q1-E1-D2

<400> 871

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ttcagaaaag aaaaaactan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnttaagg aaaagtaacg agtatagcgt ttataaataa 180
agattcgaat tgggcaacct cggaacgggc aaggcaacaa gaggggactt gagcttcaag 240
acaatcccaa acttctcttt caaatccaaa atgtggccct tccggtatct tccaatcaaa 300
cgaatgcaat agcgtcccga gagtgtacaa aatcatcctc tcgnggaagt gctatacctg 360
cgcaaattct cctgccagat tcaaaacggg 390

<210> 872
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-034-Q1-E1-D5

<400> 872

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aaacaaaata attgattgta acagaaacac aaagtttgag taaagtgata accaaaaaca 120
aacaacaac atcaaaagat ctctcacatt ctgcgtcggg ttggcaccaa ttctggattt 180
cccttcttca tcatcgctac aaattcttcg tagttgattt ttccgtcacg atcgggtgtct 240
acttcagcaa tgatctcttt gatgngattt atcatcacc atgttgattt tcttcatggc 300
tagctctagc tcttccattg gttangtacc gctgttgga ttgtcannag aactggaant 360
ggcgggtgtac aaagtgatcc tcaagtttcg attccggttc anaaggcaat tgggg 415

<210> 873
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-G4

 <400> 873

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tttttttttt tttatgttga acgaagcaat tcatgctttt tcatttcttt attttctcaa   60
tacattatta aggctacata ttcggtattht aatatttaat cctatatata attaaaatct  120
tatgtgatcc tcatgggctt cacaagtcaa tgaagattgg gctgggccga agtagactct  180
gacttaacaa aacgaacaag agacaacttt gcgatatcgg aaacggcagc atttctnaacg  240
gcggcggaat cactgatgag aaactcatac gccgcttcga aagcttctcg ccagaaccga  300
ggaaccttaa cgccaccgga gcgctccgtac acatcccaca tctgtctcan cactttctct  360
ctctcttcaa tttccagaac gtcnagatta tcgccnnaaa agagaatgcy tttaacgcn  420
ttagga                                           426
  
```

<210> 874
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-G6

 <400> 874

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tttttttttt ttttttttaa nataanacca acatttgtht tttcttctt ttttacataa   60
ttcagaangc acgatccac accttcatta cnattactac agctagcact ancctcaaag  120
cccttggtcc tgaaaatcac actanagtct ttgaacanaa aagagttact ttcataaaaa  180
tgataaatac tagccaagca agcgagagct ttttcttctn tttgacagat cccgtttttac  240
ttcgttactg cacaaatcct acttagattc catctccaat gcctttttac ttacctttca  300
tgagtcacaa aagtctagta ngtgggaaac agagcanaat gtcaatcatc aagctgggga  360
ccgttggtatg aacaagaatc tacggtggaa ggantcatcn cctggthtga cgaatgaaan  420
aaag                                           424
  
```

<210> 875
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-G8

<400> 875

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 aatgcttaag aaccctaatt tccaaatcca gtttttgag ttatgtggtta cacaaatgctc 120
 atcaantccc cctcctaaac aaaatacatt ttgccatcca tacaagtttc caaatctccc 180
 tcatcaattc acattttgcc accaccatct acaacacctt ttgcaactc taatgctccg 240
 gtcctcatcat ctgaggagat ttagaaagcc cctatcaaat attaccgctt tctccatctg 300
 atattttcttc aagctttgctg atggcatcca taagagctaa nttcatgatc tctcaagcac 360
 tctctttgcc ttctctaact cngctgggtt ggggttaact gacccaaaaa cttttccacc 420

<210> 876
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-H1

<400> 876

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnacacatt aatagatata tccatttgaa tatctccatc tcctctgtat 120
 caatctcaaa tctctggcca ctttattggc taaactctgt atatatacaa tatgatgctg 180
 ataagaccgg atttggtttt tctgctttct cattccttag agggatcaat gggtgtagta 240
 agaactcgaa gaggtctcaa tgacagattc cgagattcta gcttctgatt tctcggttga 300
 gtaagtcgaa agtatagtga cccaaataa gtcacacgca atctanccag agaagtcggt 360
 gttctactgg gaacaaancc gtatntgatn aaatgagcca atgggcaaag cttt 414

<210> 877
 <211> 384
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-031-Q1-E1-H2

<400> 877

tttttttttt tttaaaccga aatatagtag tgaattaaca tcatagggat gaatttggtta 60
gacagatgaa ttaatggaaa gggtttaaata tgttgctcgg atgctattct gaagaagaag 120
aggatgggttt tgcttcaaca acaggtttgc ctttctctct aagtttagca atggaagcct 180
tcattttcttc tttagcgttc ttactcgcca ataccttggc ctgaactccg gtcacggctcg 240
ggcttttctt ctcttaggt ggtgggtggag gcggccgtct tgctgccgcc attgcctcct 300
ccttagcggc cagagcgttc caactccata ncgaccgcc tanccccacc aaaattgtcc 360
tgcgattaat tggggggaac tgca 384

<210> 878

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-031-Q1-E1-G3

<400> 878

tttttttttt tttttttaga gagcaaaata tgagttcata cttcacataa cactaaaagg 60
cttaancaaa cnaacaaggg aaataagcaa aatgatgtcc taaagaacgc aaccagaatc 120
aagtcataat gtaacttcac tgtataaatc ataaatcttg tttctttttg tgggcttaag 180
ataaaattct ctacttagc catcatgact ttgacnaatt cttcatagtt aatctganca 240
tcgccatcaa catccgcttc tcggatcatc tcatcaactt cctcatcgga tancttctca 300
ccgangattt gtcatganat gtcgaagctc tgctgcacat atgaaaccat tctggctcctt 360
tatnaaagac ctaaaaagct tccttgagcc cttcctctga atcagtgtcc gtca 414

<210> 879

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-031-Q1-E1-H3

<400> 879

tttttttttt tttttttttt atcaatccaa cattctcttc caaattagat ttataaatca 60
tgaatatgta agctcctaca cgaacaagag aatatctaga caatttactt gacgggtgagt 120
ttcccaacca taccagcacc ctgggtgcggc gcacaataga aaccgtaaga gcctggctct 180
gtcaaagtaa cctcgtaagt ctcccctgca ccatttagaa gcgctgtctc atccatcgag 240
atcttgcttg cgteccacacc actagggatc tcgtcttcgt cgaacaccac gttatgtggg 300
aacctgcgt tgttcttgaa nacgatcttc tctcctttag ncaccgtgaa ttcaganggt 360
acnaaagcaa gggaaccgtc gtccgatnct aaaagaacct ccatggncat cgca 414

<210> 880

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-031-Q1-E1-H6

<400> 880

tttttttttt tttaagcgaa tgttttcata ttataatttg attggccttt cttagacatc 60
ccaataaaac acttacacta gagaggaaat aataaggcca aaacatacac acgcaagcaa 120
gaaattaact ttgaaacat gtattattac ggacttgatt gcctcttcat caagattgaa 180
ggcttggttc aaagaggacc tggaaggtt ccactctccc tctgctcggt ccacttgtea 240
accattctc caggacagag ggcacggtaa tacttgcaa acctttcaca gtcattagac 300
tcctctccct ttgcagttgt acanctgtga aactcgatgt accgagtga gcaagtgcctc 360
gtcttccang gctgatctga ttcaatgaaa ttggagaaat tacnga 406

<210> 881

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-032-Q1-E1-B3

<400> 881

nnnnnnnnnn nnnnnnnnnn nncggantaa gaatcacacg cgataaaaaa aatatttggt 60

gagtgggaag agatacatat acttttgttc tatgaacaaa tcgaaacttt aaaccaataa 120
 taaaagtact ctcttatcaa aaaaaacata aagacaattc ttctctctct catttaaacc 180
 caaagtaaac gccacaacaa caatggcaca tcagtcaccg accagattgt cccatgaatg 240
 aagtgaaga acaacanacc cattaaaaaa acttacattt ccangtatgg aatgtanaat 300
 caaacttgat attgcctttt catctcaana ccaagatcac aagacaattt cactgcttaa 360
 agccaccagn attgggnnct ttgggttacc gangggtggg agaaagaant ccgtct 416

<210> 882
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-032-Q1-E1-B4
 <400> 882

tttttttttt tttttttttt taacggncat aattttttcg aaattgacgt aatttgttta 60
 caaaaatatc tttaaaaatc tgtggaaaaa aacagagaaa taaattttat taaataaaaa 120
 attcaaacta aactagaagc atcaggtaaa ccttgacgcc aatcgatcgc tcctactaag 180
 tgggccgaaa cgcgacgggt tccgccgctg cgaattcacg tttccgttaa cgtaaagg 240
 aaagttggga agcttcgggt tgggtgttta aacggagaac gtcagttccg acaaaatggg 300
 aacaattaag gatgatcctt aaagccacng tcncaaatac ataacacgtg gaaangcgtg 360
 tttanactcg ccttaatttg ccnggagttc a 391

<210> 883
 <211> 368
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-032-Q1-E1-E9
 <400> 883

tttttttttt ttttaacaaa gatcaagact ttatcaatgc catcataact tacataactg 60
 agtcatacat atcaattcgc ttattcagtc tacaactagc aaagatttct aattcctgta 120
 aatcacatac tgtagattcc acattcgagg tcctcaaata tcaacttgca gcaagaagct 180

tttgcaactg accactctcc aaagcagctc caagatcatc tgatccacca atatgcttgc 240
 cgttaacaaa aacttgcggg acagtacgac gaccaacgaa ttctaaaagc tcatactgga 300
 tttgatctcc gtctctctc tgatcaagct ccacaacaaa tggctcttcc ttaagttggc 360
 tgaanaga 368

<210> 884
 <211> 261
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-032-Q1-E1-F9
 <400> 884

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn acatgaaaac aaagttcttt 60
 ttattgagat atctgaatta atcagactga atacaaatat ggcaatccgg agtaatgaaa 120
 ccacgcactt ggcttggtttt attcaaacca taattattca ctctagttac cactgagtan 180
 tangcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnncggt ttagttgttt t 261

<210> 885
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-032-Q1-E1-G12
 <400> 885

tttttttttt ttttgaaaaa taaaaaatct ctatattatt tacattatcg cctaaattca 60
 aacctcactt ttcacatata gaatatgtac atatctaaca aaagggtaaa aatagtaaca 120
 aaagtgaaaa ggtagaaaat agtanaaaag agttaaagaa ctttttcatc atcatcatct 180
 tcttccaccg tcgttattgc caccgccggc tccagggtaaa tttacagaaa cccgacccgg 240
 attcaattcg ggtttggacc cgtttgaaat ctgagtaagg acaagggata gtgantccac 300
 cttcttgaga aaaccagat tcgtctcag nctctctaa agaagctcac caggc 355

<210> 886
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-A8

<400> 886

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tttttttttt tttttataaa ttagtgatgg atgtttaata catacagtac attgataaac   60
catacacata gtcataccat aaaccattag tgaaatgcag tacaaaaaca aggttttagat  120
aacagagccc gtttgaggcc caataagccc aagaacctca tccaangac catgactttg  180
gncagctgaa acnaagctca acangnagtg gagctacaag gcagcancag tccaataccc  240
tccaagatc tcttggtttt taactgctct ttttcccaa ccacanttac ccaatcanna  300
gaaanctang cctcacttcg tccaaaccaa nattcctctn caccatcctc tgcagccaag  360
tctacactc cncnctccg tcccatangt agaaatcctt tcagncactt gtcctgaata  420
  
```

<210> 887
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-B8

<400> 887

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nccttttttt ttttttttat tttgcaaccg aataatcata tattgaaact caatactaata   60
cacannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngt agcaccacct  240
aatgaggaag cggcatttcc agctggagta gtggttccgc tagagcctga angtgttggtg  300
gtcccacccg caagtgggag gagtggttcc ctccagtact tgggggttgat ccagggtgct  360
ggggtangca ncggcagcag gagtagcacc tnccagttgc                               400
  
```

<210> 888
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-C2

<400> 888

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tttttttttt ttttttgaag aaagtgaatt ttttatatat aataagaaac ataggactgg   60
atcagactgg gaaccangat gaatattcat aatggtgaat ccttacaaaa gactacacag  120
acacaacaca tgagttttga gaccgtgact aggttgatta gagatctcaa ntgctagagt  180
catcatcaac ccagaaacaa gaatcctact tttactgaca ctcttgattg ttacacgcag  240
aaataatana gacacaggaa aagagaatta actgaactct gcaagacttt tanngtggac  300
tcacatgntg gtgcatcggc cctttncnt cggtttggtt gcgctggcan tttgcnggga  360
accggtgtga ctctgaggga tttgtatggt naact                               395
  
```

<210> 889
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-D2

<400> 889

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nccnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60
nnnnnnnnnn naaggccaca atgccgaana cttcttttan aaancathtt gaacanactc  120
aaaagccact aacatttggt ttancgctag ttttttgagc cgggtgtanan agatagatac  180
acatgcatga aaaatgacct aaagtgtggt aatgttattg ttanaaggac tgcctatatc  240
catcccatcc tccttcgggt tctttcctct tcagaacacc acctgacatt tgagacattc  300
ntgcntgatc ccccttcgac ggtacggaan gcagaggaag ataactgcct tganachang  360
tgtttgantc ggcgcctccc ncngtttcan gacctccaag ganccagaat             410
  
```

<210> 890
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-C5

<400> 890

ctcgagggtca agattgatgc aaacatctga gtatgctgaa ataatcgctt cagaatactc 60
 agatgttatg gtcaagattg atgcaaacag gccaaaagaa gtgggttttcg aggagaccca 120
 gactctactg tctcagatac agttaagag aatgataaag actgataaag catctcctgt 180
 tcaggataaa tggagaggaa taccgacgag attgaataac attccacatt cgagggatat 240
 cagggttat ttttatgaag atgtgctgca agccacaatt agatctatca aggatggtaa 300
 caccgtctt cgggtggaca ttaatatccc tgagctaaat ccggaatgg atgtttaccg 360
 gataggaacc ttgatggaac ttgttcaagc ntt 393

<210> 891

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-D1

<400> 891

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 atacctaagc tcaattatct tctctgcaac aaactccaaa ggatccgaga gagagagctc 120
 tggaacgata ttaacatata tcatgaagaa aaagattgaa gtattgatat gggaataact 180
 aaaacttctc ctaatactac aattctcttg aagactttnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 ggattcgacc gatcagattc tcccaattta acaactcagc agaagcaaga gcatcaaagg 360
 gtagaagatg gacgaggaat cttcagtcgc cggaggtaag gattccgggt ctacgaatca 420
 agccggtatg ttatcccga aatgttaaatt tcccc 456

<210> 892

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-03-Q1-B1-D10

<400> 892

tcgagcaact acaaacagta ctggtctttc ttccgccgtc caaaagaaat cgaaaccgcc 60

gagaaagttc cagacttcgt cgacacattc tacaatctcg tcaccgacat atacgagtgg 120
ggatggggac aatccttcca cttctcacca tcaatccccg gaaaatctca caaagacgcc 180
acgcgcctcc acgaagagat ggccgtagat ctgatccaag tcaaacctgg tcaaaagatc 240
ctagacgtcg gatgcggtgt cggcgggtccg atgcgagcga ttgcatctca ctcgcgagct 300
aacgtagtcg ggattacaat aaacgagtat caggtgaaca gagctcgtct ccacaataag 360
aaagctgggt ctcgacgcgc tttgcgaagt cctgtgtg 398

<210> 893
<211> 395
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-03-Q1-B1-D11
<400> 893

agggacaagg cttcgcaagc ttcacttgtc gttcgttggt tcagatgaag atcatcgttt 60
ggtgaaatca ggagctctta ctgatctcga catgttttat ctggcttctt tgtacttttc 120
ctttaggtgt gataccaata agtacgggtcc tgctggaacc tatgtgtctg ggaagcctct 180
ttgggctgca gatttgcccta gctgcttgag ttattatagg gttaggtctt tcttagctag 240
gtcagctggt tttcagactg tgttgtctgt accagtgaat tctggagttg tggagcttgg 300
ttctttaaga catattccag aagataagag tgtgattgag atggtgaaat cagtgtttgg 360
tgggtctgac tttgttcaag gctaaagaaa ctccc 395

<210> 894
<211> 458
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-D4
<400> 894

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gagatgcaaa gaacgagaca gttgttgctg tcgagtttgg tatctccagg acaggaaaca 120
gtgcaagaat tttagttggt agacctgaat ctgctgaaat tagaaacctt tcgtttgtgg 180

gtgacttgat gatggacaat ggaaggactc tgagctgtat gattgagtat gaggcaagtt 240
ctaagagaat gatggttcga ttcagaaaat ctgggttcggt aaagctgttt gatccgttct 300
tctctttctc ggtagacttg gccaaagttat ggaaaggtgg tgaagtcact gtgggtttaa 360
gctctgcaa tgggaactct tcttccaagg cacattttct ccattcatgg agatttgaaa 420
taagacatcc tctccgatg tggatgcatt cagtgccg 458

<210> 895
<211> 451
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-C3
<400> 895

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tgctcatgat gaattcaatg gagcttcttt tagtggcgcg gtttttaacc tcgccacgac 120
tataattggg gctggtatca tggctttgcc tgctacaatg aagattcttg gacttggact 180
tggaatcacg atgattgttg ttatggcttt cttgactgat gcgtcgattg agttcttgct 240
taggtttagt aaagctggga agaatcgatc ttacgggtgt ttaatgggtg gttcttttgg 300
taatcctgga aggattttgc ttcaagtcgc ggtttttagtt aataacatcg gtgttttgat 360
tgtatacatg atcattatan gtgatgtgtt ggctggaaag acngnaagat ggtaaccanc 420
aattccggtg ttcctcgaaa ggatggggtg g 451

<210> 896
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-D5
<400> 896

natcgggaatt cggctcgagg ggaatagctg ataaatatct gcctcagtct atagcagagg 60
aat ttgagaa acagaacccc caaaatgtta agcttcgact catcganggt gctgggcatt 120
tgcctcaaga agactggcca gagaaagtag ttgctgcct ccgagcattt ttctgacttc 180

caaatacaac aaaaaaggac agaggtactg ttttggtggg gtgttttagag tcttacctct 240
 ttgatggatg tgtgcaaagc ttcacattgc tctttggaga ggctagaagc agtctgcaac 300
 ggggtggattc tggcctgcga naaaantaaa ctagaantta atcgtacagc atgtaaacc 360
 gtttcttctg gtcgtcaa at gtncaagaag nacaaagggtg gatactttgt gaatca 416

<210> 897
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-03-Q1-B1-D6
 <400> 897

ctcgagattc cccttctttt cccggtactc tctgtctttg catttttact ctcttgacgc 60
 taatgttcat tcgggtttcc gctcgaccgc cgacattcgt cgaggatttc aaagccgcct 120
 ggtcggaatc tcacatccgt caaatggaag acgaaaaagc tatccagctc gtccttgatc 180
 agagcactgg atgtggattt gcttccaaaa gaaaatatct attcggacga gtgagcatga 240
 agatcaaact cattccccga gactctgccg gtacggtcac cgctttctac atgaactccg 300
 atacggccac ggtgagagac gaagctaaat tttgagttcc tgggaaacag aagtgggtcaa 360
 ccttactcag tgcaaacaaa catatttgct caagggaaaa g 401

<210> 898
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-D9
 <400> 898

ctcgagctcc cacatacatt tttgtgatca aacaactaat caatcaaaaag atggaaggca 60
 agactttgat tgtaagtgtg ctcataatga gtctgttcat ggcacaaaat caagttgacg 120
 caaatatttg ctgtccgtcc atccaggcta gaactttcta taatgcttgc ctcttcgcgg 180
 taggtagccc gtcaagctgt atacgcaact cgagttgtct tgacattagt gagtcgacat 240
 gtcctagagg atatacgaat gacattctcg aaaacacagg tgatgctgtc actgaatact 300
 gcaagttggg gtgtgtatcc tctgtttgcg gtgctttaac cattctccag aactccgatg 360

caagtgaaat cgtgaatgga gaagttgaaa aatgtncca

399

<210> 899

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-E1

<400> 899

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tatcttagca tttgcagaaa gattttactc tgctgatgaa gtcaagtttt tgtcaacttt 120

accggaccct gaagttcaga gaaaggaatt tattaagtta tggaccctaa aggaggcata 180

tgtgaaagca ttaggaaaag gcttttctgc tgcacctttt aataccttca caatccagtc 240

caaggttgga acaaaaggag aatacaatct ttgcaagatg actgaaatga ctgcaagtgc 300

gctggaggag acaaacaaat gcgatggaga atggaagttt tcccttttgg agttggatga 360

ttctcattat gctgcaatct gtattgaaga tgatgaagct agtggaggag ctcctatgaa 420

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<210> 900

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-E12

<400> 900

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gggaccggta ttggttagtt gttaactata aaggaagagc atacactcaa agagttgagc 180

caacccttgc tcttgttgaa tcggagttgc ctaaggaagc cttcttgga gattgggagc 240

caacaaatga ctcatgttg gtgataagag ctcttggtat gagtccgtta aagataaccgt 300

tgactaggcc aagctcggta gcagaagggtg tgctgatgtg ggaatggtct ggctctgctt 360

ttgatgaagg agaagaanct gcgaaatggt tttc 394

<210> 903
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-E6

 <400> 903

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atgcggtgcc aggtgacacc tccgtcagaa gagactctca cgtgtggcac ctgtgtcact   180
ccatggcacg tgtcgtgtct ccttcctgaa tcactcgctt cttccactgg agattgggag   240
tgtcccgatt gtcctggcgt tgtcgttccc tccgccgctc cgggggtaccg gaatctccgg   300
acctgaatct tccggttcag ttctcgttgc tgcgattcgt gcgattcang ctgatgtgac   360
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<210> 904
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-03-Q1-B1-E7

 <400> 904

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aggcggtgca atgcttgatg cttggggaat ggatggagag tttatccaca ttaaggtgcc   180
ttcagaaagt ggaatttcag agttaatatc cacaagcaat gagcgcttta aacttcatat   240
ggaaaataca aaactgatac ctgagaagga agtgggtacc tggacaaaag ggaatggaac   300
tttcaaaggg accaagtttg agttaagcag tggtgattgg gaaacctaata aataattccc   360
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<210> 905
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-029-Q1-B1-H2
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 agtctctgat gagaatccct tagctcccat tatacgccgt ttaggactga ctttataaccg 180
 aactagcggg gatgactcca tcttgatga tcatgatctg gagagttagt gactttttga 240
 catgcatggg aataaaattc cgccgcagtt ggttactaaa gttggagatg cattcaagag 300
 aattctcgaa gagacggaga aaataaggga tgaaactgcc aatgacatgt ctgttcctca 360
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<210> 913
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-H3
 <400> 913
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 aattcggtc gaagcatgaa tccccatgcc aaaagagggt caaaacctgg gactaaaatt 120
 ctctgcccct ttcaagcttg ttagctatct ttatagatcc cctcttcttc ttctcataa 180
 aagtccaaga gcaaaacaaa tgtattatga ttgattggcc gatgactaaa gcatttgtag 240
 ctgtaagaag tgtaacagat gttatattca ctatgaacat tctacttcag ttccgattgg 300
 cctatgtagc tcgtgagtct acggtagttg gagctgggcc agttagttag tcatcccaaa 360
 aaaattgccc ttcattacct caaaggaaag tttttccttg acttggtcat aagtgatgcc 420
 acttccacaa gatattgata ctaaggata ataccaacac anttgggtgc atccccggggc 480
 aaactatgcg aaaaaacctt ctacg 505

<210> 914
 <211> 421
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-029-Q1-B1-H7

<400> 914

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ctaattcctc atcgtcggat caattagatt atcttatccc aagnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngtcgt 240

cgcagcttcg gcagacccat ctctgccttt ggaatggaga ttctctcagg tcttcggtga 300

acgaagcgct ggtgaagaag ttcaagaagt tgatataatc tcagcgattg aatttgataa 360

ttctggaaac catcttgcta ctggggaccg tggaggacgt gttgttcctt tccaaaagaa 420

c 421

<210> 915

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-A11

<400> 915

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tttctctctc gcattagttg tttagggata aacatggcag gagaaggatga agaagatgta 120

cctagagatg ctaagattgt gaaatctctg cttaagtcga tgggtgtaga agactacgag 180

cctcgtgtga tacatcagtt tctggagtta tggtagcggg atgtggtcga agtggtgaca 240

gatgctcagg tttactcaga gcattgctagc aaaccaaca ttgactgtga tgatgtgaag 300

ctcgtattc aatccaaagt taatttcagc ttctcacaag cctcctccaa gagangttct 360

gcttgagctt gctgcaagta ggaacaagat acctctggca aa 402

<210> 916

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-A12

<400> 916

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ctcgagcgag agctggtggt gaaggagaga ggcattgatg agcccgagca tcacaaattg 60
gatcaaccga cagataggat ggtcctcaaa ccgattgaaa gagttccaga gcatgcaagt 120
caaaggccag tgagttctcc acgtgacatg agaacgagga aattcgacca aaaggatggg 180
cgaaatgtaa gcgacattgc cagatccgaa actcagagga gaaactggcg tgaaaatgaa 240
aacaagagcg caagacagca acagcagact caggagaaga caagacatcc atcaccagag 300
acatggcgaa agccggttcc ccagaaactg gattcaccaa atggaacagg gattcgtcac 360
ggaaaagcag cttctgctcc tgagcctaac tcaaanc 397
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<210> 917
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-A4

<400> 917

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cttgataaca ttactactat gtacagattc agcaacacag ttattggggg cttaaacctt 180
ctcaccttac tagcctcgat tccaatcatc ggaaccgctt tatacaaggc aagaagcagc 240
acgacatgtg aaaacttcct ccagacgccg ctacttgta taggattcat catactcata 300
gtttcccttg cgggattcat aggagcctgc ttcaacgtgg catgggctct ttgggtgtac 360
ttaagtggtc atgatctcct catcgctacc ctaatgggtc taacgctatt tgggtctggtg 420
ggtgacgagc caanggaggt ggagtggaag tgncaaggga ag 462
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<210> 918
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-A9

<400> 918

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tcatcagctc gtgaattcct gggattcttt caacatgggtg caagattact tggctggtgg 120
tctatcgatg aaggaagtcg ggaagaacaa gcaaggctct actctggaga agctactgga 180
tacaacacct tctcaccaga ggttgtgaag aaaatgccaa agtctgatct tgttgaagag 240
atatggagac ttcaagctgc attgagtgag caaacagata tcaccagtta tagccagcaa 300
gagtacgaaa ggcttcaaaa cgagaagatt ctttgtagag tttgctttga agatccgatn 360
aacgtgggtc tactcccaat gtagacatta cgtcctccgg aagta 405

<210> 919

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-B12

<400> 919

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aggtagagaa actcaaactg gcaagccatc tctgctgct gttcatgagt atctagtgga 120
ggcctacgag actaggggtg cagaacagga gaagaagaaa ctattggatc ctgtgccact 180
cgatgaagaa gctaaggcca aaagtacgcg tctaaagcgc caatggggaa cgtgctgggtg 240
ggagcaatat tgcatactat tctgcagagg actcaaagaa cggcgacacg aatacttcag 300
ttggttgcgt gttacgcaag ttctttccac agctgtcatt ttaggtcttc tctggtggca 360
gtcggacatt angactccaa tgggactaca agatnag 397

<210> 920

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-03-Q1-B1-B2

<400> 920

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tcacggccgc gctgaaatcc acgaccacgg ccgcgctgaa atccacgacc acggccgctc 120
tgaagaagaa gactctctcc gtctcctccc ttctcctcct ccgtctaaga gacaaggcat 180
ccccagacgc catgatctct ctactccct cgttgtttct gaacaagacg gttgttcctg 240
gatgttccac acgcctctct ctgcgccagc ctaagaacta taattactcc tctgcttcc 300
ttgagagtct ttctctctct cggatttaac caggattcca acgggcagcg ttttgattga 360
gaacactggc aattcatcct cctctctcga aaacttccgg cggccga 407

<210> 921
<211> 466
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-B4
<400> 921

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gagctagcta ggactcatgg ttccgtaga aggatgagga ccactagcgg tagagcaacc 120
ataaagcgtc gacgtgccaa gggacgttg aacctctgtc ccaagtccaa ccctagcagc 180
ggcaaacggg cttgaagttt gtttctctct tcaactctatc tgtaatcttg tttcatgtgc 240
tttttttcca ccagaagata caatgagaaa catgggtcgt tgagctcttt tctgcgtttt 300
aactctcttg catccttgat tcgtttataa atcaatgttc ttggaattca tcacatgtac 360
tactatacta cttgcttcat tgaatttggt actactccga aaaaaaaaaa aaaaaaaagg 420
ggcgggcgcc cgactanttg agccccgtcc aaccccgga antaaa 466

<210> 922
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-C2
<400> 922

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aacgaaacgt aaagatcaca gatttcccag gtcattgctct cagagaaatt ctctgtcttt 180
gattcaatgc gatataaaag agagatcttt cggagagtct atgacgatca cgaatcgtgg 240
attgagtttt aagacgaatg tgtttgagca agctcgttct gtgactggag actgttctta 300
tgatgaaact tcagctaaag cacgttctca tgttggtgca gaagataaga ttggtgtctt 360
gcttttgaat ttaggtgggc ctgaaactct taacgatgtt caacctttcc ntgtataatc 420
ctccttgctg attcggatat tataanggct tccc 454

<210> 923
<211> 453
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-B1
<400> 923

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ccgatgcatt ttcacggctg agggngccgt cgcaccgccg tactaaacga actgattagt 120
tctttagatt ccttaagtct cacggaagca cttgcagctt cttcatcgtc tcccgttacc 180
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ccaacggtct tccgccgttg gcttngatgt tcggagaaca ggagatttcc aaattacnnc 300
aagagttngn tctccaacn aatttgctct ttnaactttc cttcaanntc caagtttnac 360
cttccaatgg gccaancttn aaggccaanc aaccgttcga anctttcctt tgggngatgn 420
aattnaaac aangttggtt ggccgggggt aaa 453

<210> 924
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-B6
<400> 924

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tcgatggaaa gttgatcaag tcaaactcga ccacaaccac tcctttgatc ctcaacgtgc 180
ccacaattcc aagtctcaca agaaatcctc ctctcagct tctcctgcaa ctaagacaaa 240
tcccgaacca cctccccatg tccaagtccg gactatcaaa ttgtatcgaa cccttgcctt 300
tgacacacca cccgctcttg gaacttcact ctctancgg gggaaaccan ccgatttcaa 360
gccttgatna acttcaatcc ttcaanggcg ccttgggagc tcaaaagggg ggtttaaggg 420
gcccttgcaa ggat 434

<210> 925
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-029-Q1-B1-B8
<400> 925

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aatatgtcga tggctcgtgt tgatcgagca ttctatcaag ctaagaaacg aggtgtaaga 120
atccgcggca ttataatctc gaatccttca aatcccatgg gaagcctact gagcagagag 180
aatctctatg cgcttttgga ctttgcccgt gagaggaaca ttcataattat atcaaacgaa 240
atctttgctg ggtcagtcca cggagaagaa ggagagtttg ttagcatggc tgaaatagtt 300
gacacggaag agaatatcga cagggaaaga gttcatatcg tgtatgacct ttcgaaagac 360
ttgtctttcc ggggggctta gattcgctgc tatctactcg ttcaacgaga gtgtttttatc 420

<210> 926
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-C1
<400> 926

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tccttagaga tatctggccc actgtatgtg gaagacttac caaaccatca ttggatatca 120
aagaacttgg gtcaggaat ggcagtgttt ttgtcccga gcgaccttat acatgtttag 180
ggacactgag agatcaaatt atataccctc tatctaaaga agaagcagag aaaagggcag 240

caaagttgta caccagtgga gagagctcaa cagaaagctg ggaagcattc cnggattcct 300
catttgaaaa ccaatcctgg gagaatgttc cggttaagtt taaccccntg gggaaagaan 360
accgtnaggg tgggnttggg gatgccaaact aaccaaattt ggggaaagac cataattaac 420
cnccttggg ggaaacca 438

<210> 927
<211> 425
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-A8
<400> 927

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ctcatttgag gtccgtcttg ccattccagg aagtcaagat atcaatttcc gaagtctatt 180
cttattagca agtgatgaca agagatcaga agcttcacct cgtgggttgat tgtttgctga 240
caacttcttt catgcttttg ttctcgaaa agatccagt atgagaagag aaagaatttg 300
aagataaaat tgaatccttt nacctttttc gggtaaata agttgggttg gttttaataa 360
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tcctg 425

<210> 928
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-C3
<400> 928

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agttgtcaga tgtctggaag ctgcaatcca tanacgagtc agcgagggtt ggagtttgga 120
gctctgcgca aaggacagag ttggattact gtcggaagt acaaggattc tgagagagca 180
cgggctatca gtgtcgagag ctggtgtgac aacagtanga gaacaagccg tcaacgtttt 240

gtaacctcaa ggtctctgac ttggtttat cagctttacc ggagcatcta caaaacggat 300
 tgcttcacac ggcgtgtggt actccggctt atacagctcc ggagggttatt cacggagggg 360
 atacgacgga gcaaa 375

<210> 931
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-D1
 <400> 931

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 tccgaattgt tgtcttancc ggtcgtcgtc tcaatgaaaa ggaaggcttg ccagcattcc 180
 ctatgggaaa tattgaccag acaagaatgt ggaaggtggg tgaacgcgtc aggaagtcca 240
 gacctgctgg tgacttgggt ccattgtatc ccttcaccgc tggagtttat gtagcactta 300
 tgatggctca gattgagatc ttgaggaaga aagggtcact cttactcaga aatcatcaac 360
 gagagtgtga ttgaatccgt gggactctct aaaccantt atgcacgcca angggaattg 420
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 gggcncca 488

<210> 932
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-D2
 <400> 932

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 agcgatatct gcggcagctg cagatgcgga agctgccgga ttatggacac agatcaaggc 180
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tctttctcat tegtctcttg aacgatctat ctcgtttcat ctaaggaaac aaagctttgt 300
tctcaacgc ntttatccaa cacttttata cgatntgttc cttaaact ttttctccc 360
gatncttctc ctcgtaacgc caaccgttgc aaatttaggc gctgctcgtg ttcgtga 417

<210> 933
<211> 197
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-D5
<400> 933

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gagcggatgg aataattctt gtgtagtgag ttgaattttg tttcatcagt agagcttgag 120
attttttgta ttttaagatc atctgttaat gtaatggttt tatgttnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnn 197

<210> 934
<211> 351
<212> DNA
<213> Arabidopsis thaliana
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<400> 934

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cggcgacacg agatagagca accagaagcg gaatcttatt atccaaagcc gataaagcca 120
tggttcgtag cgattcgtcc gatccgttac atgctcagag aacagagact cgtcttcgtc 180
ctcgtcggca ttgccatcgc cacattagga ttcacaatct tctccaaatc atccaaccac 240
caaccaattc cttacgacgt ggatccgctt tccggatacg gatgcgatcg gagtcatcgt 300
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<210> 935
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-E1

<400> 935

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 ccgattaaaa ccaaaccgtg ggcaagtcct ttgggttaga ctcttcacaa gctagggtca 180
 cgtgctctct cactctgac ctcaaagact tcgctggaaa atgctccgac gccgccaaga 240
 tcgccggttt tgctctagcc acctctgctc tcgttgtctc gggggccggt gcggaggagg 300
 caccaaaaga ggctaacgta cgacgaagat acagagcaaa gacttacatt ggaggtnaan 360
 ggttaccggg tacgggaaaa caagtgttca aactatcgat ggggggtcct gaaganaatc 420
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<210> 936
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 936

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 ggaatgggtc tatacgagng tgcttaagaa caaatggact gatcctgagt cagggaagtt 120
 gaatctgagt aggaagatcg gtgcagggt agtcgctggt ggaatcggag ccgccgttgg 180
 aaatccagct gacgtggcga tgggttaggat gcaagctgac gggagggttac ctttagcgca 240
 acgtcgtaac tacgccggag taggagacgc aatcaggagc atgggtaagg ggagaaggcg 300
 taacgagcct tgttggcgaa ggctccggcg ttgacgatta accgaaccaa tgattgttga 360
 cggcgggctc aacctaaccg tcctaacatt aanttcaaag gaanggatan ttgganaatg 420
 gggttaatga attgatt 437

<210> 937
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-F2

<400> 937

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ggttaccggt ggtagctcta tctctcttta aggatagcat cataatggcc aaggctgcga 120
cgattctcct ccctagtcaa accggatttg atatttctcg gagtccggtg tgctctgctc 180
cggatccgaa cctaaattac agaccgggta ttggtattct gagccatcct ggcgacgggtg 240
cgtcagggtcg tttgagcaat gctacagacg cgtcctccat tgcggcttcg tatgtgaaat 300
tagctgaatc tgggtgggagc acgtgtgatt ccactcatct ttaaagaanc ctgaagaaat 360
tctccttcaa aaagctaaaa ntgggccaac ggtgttatac ta 402

<210> 938
<211> 531
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-F3

<400> 938

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tanttaancn cggaattcgg nncgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn tncngcggag gagcttcttc ttcgtagggn gttcatcggt 180
attaacgtta tcgcccctac gtcagctcca tctccagaaa catgggtgca ggtggaagaa 240
tgccggttcc tacttcttcc aagaaatcgg aaaccgacac caciaagcgt gtgccgtgcy 300
agaaaccgcc tttctcgggtg ggagatctga agaaagcaat ccccgccgca ttgtttcaaa 360
cgctcaatcc ctgctctttt cccctaactt atcaagtga catcaatata agcctcaagg 420
ctttcnacta aggtcgccaa ccaaatttac ttctctctc ctccccctcaa gcctctctcc 480
ttaacttggg cttgggcaat ccaantnggg ccctggtcaa agggctgtnt t 531

<210> 939
<211> 381
<212> DNA
<213> Arabidopsis thaliana

caaaaatcat ctcaagatca gagcccagat cccaaaccga cgacaccaac cgggacgtcg 60
 tcgacaannc ctgccggaga tagtagtacg acgtggtcac cggtagatac atcaatgata 120
 tacgaaggag ctttggatca aaacaaagga tcaccgtcca cgtgtcatct ttcgttatgt 180
 ggaatcacag tcacacttgc gctggccttt tgtcggatgt ggcggctctt ttgacaccta 240
 actttgtctc ccgcgtaaaa cactgaagaa tgtgggccct cactgacgaa agccttatct 300
 cgttccgggc catgtgaacc ggttattccc gaacgacgtc ggattgggtc agagttgaga 360
 aaaaaagtta acaacaccta cagttacgaa nata 394

<210> 942
 <211> 366
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-027-Q1-B1-B12
 <400> 942

ctaacaccaa aaacaagtct ttgaagaaga ataaaaagat tggattttga taagtttagt 60
 gaaaatgggg gagcttttgt gttcttcact gtggaaccg tcacgattca ttgttgcttc 120
 tctcaaaagg tattttctgg gtttagcttc ttagaggttc ttcgttctta aaggctctgtt 180
 tttttttagg ttgtgatact ttgaatgtaa aaaagggaag attttttagt tcgatatgta 240
 tatctctcgg atgggtttga gtcggagttt cccgccgctt tttgggggat tttcgggaaa 300
 ttccaagggt taaggttgga taatgtcttc ctccaacaat cctctgccac ttttaaaatc 360
 tcctca 366

<210> 943
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-B6
 <400> 943

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 gncgtccttt aatccggtaa tcgtcttaca cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncttatg agttttatta 180
 cgatgatgga tctgggttcag gtctaagacc tcttcctgat tctgtatctg agatcttgat 240
 gggatctgga ttcgaacggt tacttgaaca attgagtcag atcgaagcgt caggtaacgg 300
 aatcggtaga tctgggaatc caaccggcgt cgaaatcagc gattgaatcc ttacctaaaa 360
 tcgaaatcca agattgtcat acgaaagcag aagctaaatt gcg 403

<210> 944
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-A4

<400> 944

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 ccaagtcggt gcagaggttag tancaccaga agaagctgcg aaaccaaagg gaccaagccg 120
 atgtactact tgcaataagc gggttggcct gactggattc aaatgtcgct gtgggagcct 180
 cttctgcgga acacaccgct atgcagacgt acatgactgc tccttcaatt accatgctgc 240
 tgcgcaagag gcgatagcta aggnaaaccc gggtgtgaaa acaaganaaa ncttgacaaa 300
 aatccgaaaa tcctaantta aactttctcc tgggtttcat caaggtgggc tgggtgttcc 360
 cttctcctgt ccngtgcctt gggttcaagt natt 394

<210> 945
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-027-Q1-B1-C10

<400> 945

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 cagttgcgaa tcgagctgga ttcttgggct cgctttttct ttcaatcaaa agtttcgata 120
 ttagtgaagg ataaaattcg ctaaaaaaag agaatttttt ttgttaaaaa aattataaaa 180
 gctggccttc tcaaaatttc tccatgtggt cgacgaagaa gacgaagaag acgaagaaga 240
 aagagaaagt ctcttaacaa acatgaccgc caccgaagct aagaatcgca aaatcaatgt 300

cgagatgga gatgacgttg ttgatatcga aatccctgac actgctcatc aaattagcag 360
cgattcatgg gttcaggtg 379

<210> 946
<211> 383
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-027-Q1-B1-C12
<400> 946

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ggaggtggtg gtggttctag tggatcgtcc tccactagag actactatgc aatgttttca 120
ccaagggcaa cattattaga gtcaaattca atgaccaa atcatcagc ccaacctttt 180
caaggaggct tcctttttaga gaaagtaatg ggccattat caacgggtca tttagagctc 240
aagaccgaa acccaaaaga taaccgatt gtgactttca actatttcca acatcctgac 300
gacctaaaac gttgtgttcg aggaatccaa aaccatagag agagtccgtg caatctaaaa 360
gcttttcgaa ggtataaagt acg 383

<210> 947
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-C2
<400> 947

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cggcgcgtac tacggaccat caattccacc accgcctaag gtcaccgca gctataactc 120
acctggattc ggatgctgtt gcttcagctg cctcggaagc tgtctacgtt gctgcggttg 180
ctgcatctta agcctgatct gcaacatcct catagctgta gccgtaatcc tcggagtcgc 240
cgctcttata ctctggntca tcttcggtcc aaacgcgctc aaattctaag tcgccgacgc 300
taatctgaaa ccgattcagc ttcgattcaa acaanaacct ccaattacag tctcgatttc 360
aatctcaciaa tccgtaacct taatcaacga atcngagtct a 401

<210> 948
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-C3

<400> 948

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 ctctcagtct ttctcgtctt tcctcgtcct gttctttcca acaccggtaa actctctcat 120
 tccgaccaag atctttctaga tttttcaatt taggtttctt gatctagttc tagtctgaaa 180
 atcgtcaaat cttgtttcat tcaagcctag atcttgatca atggcgatta cgttggttaac 240
 taaactatac ttctcgtggt ctgtttttga tatccacaga tggagaaaac cttctattta 300
 caagtattca accaatacag agaatcagta aacctcaca acctaanaaa ggaacaaaaa 360
 cgcagaatgt ctagcagacg aagtcgtana ccaat 395

<210> 949
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-C5

<400> 949

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 aataggnaca caactaaaga gatgtcgtca accttgagca acgaagagtc aggactcggc 120
 gattcaaata gtctgacgga agtagatggc ggcgacggag gaaacttcac ggcttacgag 180
 tctcgattcc agtcgcagcg gtttgactct tccttctcta attttgactc ccaaccggag 240
 aaagagtcag acttaccatg cggcgattca tctcctcgac ccgaaactca atctccgccg 300
 tcgataaata gtttcgatga taciaacgat tcgathctgc cgccacatcg ggcattgnga 360
 aagaggaagg ttcgctccta ngagatggcg aag 393

<210> 950
 <211> 404
 <212> DNA

gagctaaagt cttcgaattg agagatttta gcagcgcaaa gatactctat ccgggtaata 60
 agatcgaaga aacnatcaat ttcttaccaa agtcgtgatt cttggatctc gtctttgttt 120
 gatggacaca attaggggtt ccaaggaggt tcctggatct tcgaaatcga ccgcacagtc 180
 gctcacggag tcgacctctc gcacggaaac catcaatggc tcccacgaat tcaagatcag 240
 cggctactct ttgggtcaaag gcatggggat tggcaaatac gttgcctcgg atactttcat 300
 ggtcgggtgga tactcctggg catctacttc taccagatg gaaagatcca naggataatt 360
 ccgtcaagtg tcncctcat agcccttgca antgaaagg 399

<210> 953
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-D7
 <400> 953

ngatganaaa nccatgaagg atgcnantga gggantgaac ggacaagatc tcgatggccg 60
 tagcatcact gttaacgagg ctcatgcacg aggaagcggg gccaccgtgg 120
 aggtggtggc ggtggatacc gcancggcgg tggaggaggt tactccggtg gaggtggtag 180
 ctactgcgtg gcggcggtag acgcnaaggg tggaggagga tacanccggc gnnngcngcg 240
 gttactcctc aagaagttgt ggtggcnnga agctaccggt ggtgggaaga cnttaaggga 300
 aggangaagg ataccggtgg ttggnntaaag gaggaggttt accggnnggn aaccggttgg 360
 ttgttgggaa aggatgggta aattccn 387

<210> 954
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-D8
 <400> 954

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 gttatgccat agtagaagag ttggctgggt ttggagctag aatccatgta tgtgacatct 120

ctgaagctaa gctcaatcaa agtttaagcg aatgggaaaa gaaaggtttt caagtaagtg 180
gctcagtttg tgatgtagcc tctcgtcccg agagagaaga actgatgcaa accgtctcct 240
cgcagttcga tggcaaaactc aacattcttg taagcaatgt gggcgtaatc cgctcaaagc 300
caacaacaga atataccgaa gacgatttcg ctttcatata tcatcaaagc tggaanctgc 360
ttancaatth aancagctth caatcctctc ctaaaggctc aggctatggg 410

<210> 955
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-E1

<400> 955
tnaaancctt atcctgctat ggcttcact ttcgtctgct ctctaccaa tcctttcttt 60
gcttttccgg tcaaagcaac tactccttcg acggntaacc atacgcttct cggaagtcga 120
agaggttgtc ttagaatcaa agcgatttcc actaaatggg aaccgacaaa ggttgctcct 180
caggcagaca gagttcttgt tcgtcttgaa gatcttcta ttaaatectc aggtggagta 240
ttgttgcta aagcagctgt gaagtttgag agataccta caggagagat tataatctgtt 300
ggttctgang ttggcaacaa ttggacctgg aaaganggtt tgttctctga tgtgacgctt 360
atgangtcaa tttggaaccg atgctagc 388

<210> 956
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-F1

<400> 956
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ctttgtttct ctagagttgt gggagcaaca ctggtaaaga attctgaatg ggatgaagcg 120
gtaggctttg ctccaaaatc aggactcatc tcaacgctaa taagccatca cttcactgca 180
gcacaaaaac caccaccacg acctgcagac gtgaatataa attcggctat atatcctggg 240

aactatcncc tatttttttac ttgtcttta anaagataac tacaaanttt ttt 413

<210> 959
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-G1

<400> 959

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 tgtgattttg agtcaggatg ttcaggagag gaaggtgatg cacaatctcc gtcagtagac 120
 tgttcctctg cagcggttaca tggccctgat ggatcttcag gaaaggaacg agaggttggt 180
 ctacaagctt ttgattgata acgttgagga gttgcttcca gttgtgtaca caccaacagt 240
 tggtgaggct tgccagaagt atgggagcat ttcaggaag ccacagggtc tctacatcag 300
 tttgaacgag aagggcaaga ttcttgaagt tttgaagaac tggccccaga gaggaatcca 360
 agttattgtt gttactgatg gtgaaccgga ttctcggtc tgggaaatct tggntgccaa 420
 ggaatggga 429

<210> 960
 <211> 535
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-G12

<400> 960

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 attcggctcg agaacaaatt cacactctct ccgccgcga cagactcacc gacaccacca 120
 ataattgtctt cttctccggc gattcttccc gtcaccaacc agcaagcagc cactcaatct 180
 caacctccaa tcaattctca cgccttccgt actttctctt cacgcctctc gtcctctctc 240
 cgcgaaagcc tctctcaacg ccgtccatgg ctagaactcg tagatcggag ctccttcgct 300
 agacctgact ctctcaccga ttcttctctc cggatccgta agaattctcg ttacttcaaa 360
 gtcaattact ccgcaattgt ctcgttagtc cttgctttct cctcctctc gcatccattc 420

tcgcttctcg tctctctctc tctcttaggc tcttggatgt ttctctacct cttccgatnt 480
tcagatnagc ctttggntct ctttggncgt antttctcaa attgtgagaa attgg 535

<210> 961
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-E2

<400> 961

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cttaaccgat gttgttatca ccggtgagaa tgggacaatt gatggacaag gagaaccatg 120
gtgggggaaa ttcaagagag gagaactaaa atacacaaga ccttatttga ttgagattat 180
gcattctgat ggtatccaaa tctccaatct cactttcttg aattctcctt cttggcatat 240
tcacccggtc tacagcagca atatatatat ccaaggtttg acgatattag caccggtcac 300
ggtaccaaac actgacggta tcaaccaga ttcttgtacc aacacganga ttgaggactg 360
ctacattgtc tccggcgacg attgtttccn ccgttaaaaa tg 402

<210> 962
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-G5

<400> 962

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ttctctttcc ttcttcagtt tcttcgnaa aactcangtt ttctctttcc tcacgcaacc 120
aannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tctgtttttc cagctgaagc 240
atgcgaagta atcaagtgga tacgcttggt ctgctgatat ttaccctgaa gtcaagctcg 300
atacaaagcc cgtttcangt cccgtggcct cagaagccgt tgacangaga atacgaagag 360
tatancaagc cccaaagacg gttttccgtn aaagaaggcc tgcgaatgat cttgggangg 420

<212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-H10

<400> 965

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aagacgagtt caacaagcag tttaacgcag atgaagacga cttcgtgctc cgacagtcaa 120
agaagaaggc cgacatacga gtccgagatg gacgtgcaa gccaatcgac tacctggcgt 180
tcacccttcg atatatcgat gcagagcgcg acgtgttcga tgacgaagag ggcgatctcg 240
atatcgaggt accctcgccg gcaaagattg tacagggact cggagtggag gaattgaacg 300
aacttgaagg cgacattgct tcgtaccatg tcttgagtc aaacgctcgt aatcgatcct 360
antggaaggc tttgcaatca ntttgcgca ancagangac gaanctagat tccgcgaaa 419

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<210> 966
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-H5

<400> 966

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aagagaagag tatcgagcaa aggacttggg gctgttctta aagaacaaag agctaagcta 120
tacatcattc gaagatgtgt cgtcatgctt ctttgttggc acgattgatc ctcaatctgt 180
cttcagattt catcctcatc aatctttatg tataaaaggc tttcgtgtgt tggagggaga 240
agagtccgtg atgtttggga gcttaaccgg cctggcggat cgggtttgat tctacgcgag 300
attgtggatg aatcgggtta gaatttgact tgtttttgat taaacctctc caataaccgt 360
taacaagatt ccttggttcc tttgggagca aatatttgta aattcaaag attttn 416

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<210> 967
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-026-Q1-B1-H6

<400> 967

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gccggcgggga aaaccatgtc gcacttcgga aggtcaggtc caccggatat cagcgacacc 120
tactcacttc tcgtccttaa catcaccttc cgtacgactg ctgatgatct ctatcctcta 180
ttcgcaaagt atggaaaggt cgttgatgtg ttatttccca gagatcgaag gactgggtgat 240
tcgctgtggtt ttgcgtttgt tcggtataag tataaagacg angctcacia agcagtggaa 300
aggcttgatg gaagagttgt tgatggcaga gaaataactg ttcagtttgc gaaatatggg 360
ccaaatgctg aaaaaatttc caaaggaaga gttgtggaac caccgccgaa ntcacgaaga 420
tctagaagcc gtagtcnaa ggcggagtcg taat 454

<210> 968

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-026-Q1-B1-H8

<400> 968

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aagatatagg gtgtgacttt ctttaatagg tctataaatc tggctatata aataaatgag 120
atacgcgatc cagtataccc gtttgtgaag taaaaaagaa cctttaactt catgtccgaa 180
tagactaaaa gtggtaaaaa gaaattggaa ctaagtcac tcgaatcaac ggattcatga 240
taaaatccct ttatttatta aaaattttta gtgggtaaga ggattaaatg gtgtatattc 300
ttttgttaat agcttggagg gattaaaaac atgactattg ctttccaatt ggcagttttt 360
gcattaatta ttacttcatt aatcttactg attagtgtac ccgttggtat ttgctcncc 420
t 421

<210> 969

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-026-Q1-B1-H9

<400> 969

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actcattctt cttcttggtc aagtgggtgc tgattctgaa atctcttctt caataactta 120
gctcctaagc accgtgccac agcctccgcc gtagttacac atcctccgaa tggttccttc 180
cttagcacia gctctgaatc gtagatggtt cctccactca ctgatgcgtc tatttccgta 240
tccaaacaca ctctaaccgc tctgtcttct cttaacacca cctcgctagc tttgaccatc 300
tccttcgctg gtttccacgt cgcgtcgaat acgattagtc tcagcggcgg gggatttgag 360
atccacgatg gtttaagaag ttttaaggant tgaattcnga tatantgacg gcgggaaaag 420
aangagaaga aaggaaa 437

<210> 970

<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-027-Q1-B1-A1

<400> 970

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ccagcagcag caggaatcat gtatgcaact tcttctacct ccttctttac attaaatatg 120
cttcaacatt ttgttataaa acaaacaaca agaacaacat gaacttggtg gtttatcgaa 180
ttctcagttt tggtttgcgc ttaacaacgg tttgttgaca gtttttcgtg gagcgagaaa 240
cgtcaggggtg ctgcttttct ccctggcacc caaatggtat tctttatact gaatgtggtt 300
ttggcacttg gagttgtatt gacattcaaa ccatttctag ctgaaacaca acagtagaaa 360
atgatgaaga ttttgatggn antcaaatta cataatcaga atgt 404

<210> 971

<211> 366

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-027-Q1-B1-A12

<400> 971

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aagaactata ttctctggaa atctcagttc gaatcttttc ttgatgggtca agggcttctg 180
ggttttgtca caggctcgat tcctgcacca agccaaacca gcgttggttc agacattgat 240
gggtcaacat cggcttcacc caatcctgag tactacacct gggttcaaga cagattgagt 300
tgtcaaatcc tggctccttg ggtcttcctt aaaagatant cccagtgttg tggccaactg 360
caacac 366

<210> 972

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-026-Q1-B1-A2

<400> 972

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aagttactgg gttatctcca tctgttactc ataatgatct tatcgatttc ttctctttct 120
ctggtactat ccaagatatt gatattgtca ggtcgggtga gcaagcttgt actgcttatg 180
tgatgtttta ggattcttat tctcaagaaa ctgctgtttt actcactggc gcaacgatat 240
tggatcagcg tgtttgtata actcgttggg gacaacatca cgaagagttc gatttctgga 300
atgcgacttc gcgaggtttt gaagatgaat cggactcaca acattatgct caacgaagcg 360
agttcaacgc tggagaagca gtgacaaaag ctcaaga 397

<210> 973

<211> 387

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-026-Q1-B1-A5

<400> 973

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gtctcatgtt ctgacattct cgtcttgtcc gcaagagaag gcatcgaagc agtatgagga 120

ccttatattc ctttgaagac aggaaggaga gatggactta aaancangac ggatatgctc 180
gagtcanaatc ttcccgacca caacgagagt atctccgtcg ttcttgaaaa gttcaaatacc 240
atcgggtatcg aactccccgg nctccgtcgc cctcctangg tcacacancg tgggaagaan 300
tactgtgtc aaactgggtcc atcnnttggt ccctgaggt ggaccctcn ntaaanccct 360
gacaagttcc tcacatgcta ggcaaag 387

<210> 974
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-A7
<400> 974

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ttctccgaaa gctacctcca aagagagtat cagctcaata ccatccgatac cagtagaaac 120
ctttgtcact gaaccatctc acacggtgag tatgatgctg tttaagagaa gagtaaagat 180
taaaaaaaaa attggggcaa aaaatgaaag gtgaagaaga aatcgggtgtg gaatctgcgt 240
gagtttttgg aatgcacgtt catataaatg attttacagc ttttagttgt tgtagcccg 300
cgtgactttt ggtttggtaa tttatgtccg ttaaaattat aaattgctct tctgctactt 360
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<210> 975
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-B5
<400> 975

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agcaacatca accacaccac caattcctca agatcaatct cccaattctc gtctaccaac 120
caaaatcatt ctaccaata agaaacctga gaaatgggtcc accggagttg cccccggaga 180
gtacggtggt cctccgacta ccaccaagct ccgaaagtac tggggaggtg aaaaagaaga 240

tcccattact tccacagact taatctggaa cagagatttt atggatcaaa tgaagaaatt 300
 gtttgatgat cctaattgatt cttctctcga cccatctcct tcaaaggaaa agtcttctgg 360
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 gagcttgca 429

<210> 976
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-B6
 <400> 976

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 agttgagatg tcagttaaag caaggagaat ttctggtaga ttagagactg tagtaactnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcca 360
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 tgtgg 425

<210> 977
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-A12
 <400> 977

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 aatggaaagc tggttcccca cttgtactgc atcggtgatg ccaatggtaa actgatgctt 120
 gctcatgcag ctagtgctca aggaatttct gtggtggagc aagtcacagg tagagatcat 180
 gtgcttaatc atcttagcat cccagctgct tgttttactc atcctgaaat aagtatggtg 240

ggattgacag agcctcaagc gagagagaaa gctgagaaag agggattcaa agtaagtatc 300
 gccaaagacaa gtttcaaggc aaacacaaaag gccctaaccg aaaatgaang agaaggactc 360
 cctaanaatga tatacagacc tgacaatggg gaaatccctg ggagttcaaa naattggatt 420
 gcatgcngct gatnttaacc atgaancatc aaaccgaatt gg 462

<210> 978
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-B7
 <400> 978

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 gaagaaacac tgtttagcag gagttgaaga aatgttgta tactatacga gaaagatgga 120
 aaagatagat agatgctctc atctattctt gaagatactt tctactgttt tgatctcaaa 180
 tcttaggcag gattcatggg cagatgcttc attctttccc ttcccccatc ccagtgttgt 240
 ttctgcattg ctttctccag attgcgaggg tgacagaacc gagagaatct gtgagcggaa 300
 gttagacggt aacaacgatg tcaggattgg tttggaaaag atgttgaatg aatggctcan 360
 atttggttga antgaataaa tgtttaataa tgtct 395

<210> 979
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 979

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 aagagagagt tgtcaaatgt ctggaagctg caatccatag acgagtcagc gagggttgga 180
 gtttgagact ctgacgaaaag gacagagttg gattactgtc ggaagtgaac aggattctga 240
 gagagcacgg gctatcagtg tcgagagctg gtgtgacaac agtaggagaa caagccgtca 300

ctcctttcag ttaccttttc gatggtattg agaaatcaga tgctaattat ctatcttctc 360
 ttcgagctcc agttaagcgt gtcagaactg aagctacgta aagtgcangt atctatctgc 420
 atatcgt 427

<210> 984
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-E10
 <400> 984

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 tattgcaatg gtgaccagaa cttagaagca aaccttctag atcatgagga aactgaatca 120
 ttttcagtac ctcaaacgaa gaactgtaag aggtggctcc gtgtctccat atacgcaatc 180
 tttgtcatct tctgccaaacc acttgctaca gttctgggta gactgtacta tgaaaatgga 240
 gggaaaagca catatgtggt aacacttctt caactcattg gcttcctgt actgattctc 300
 ttccgcttct tttctcgaat caggcaaccc aaatcaacag atacaaattt cagtcagtcc 360
 ccttccttca acaaccttgc atcgggtttac ttgtgcaactg gactgctaata gtctgcttaa 420
 gcctaattgt ccgcaatttg ggtgcntt 448

<210> 985
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-E11
 <400> 985

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 cttctcccat ctcttccaat ttcacgtta gtgaagtttc ccgaaaccga cgatgcgacg 180
 ccgtttcttc cagcaccacc gatgtgactg aattagccga aattgattgg gacaagattg 240
 attttgggct taaaccaacg gattacatgt acgccatgaa atgtagccgt gatggtgaat 300

tctctcaagg tcaattgcaa ccttttggtgta acattgacat taaccagca nctggtgttc 360
tcaactatgg acaaggnttg ttgaaagng naaaaactta aagaaaacaa gatgggaaaa 420
tccaaacntt cgttctg 437

<210> 986
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-E12

<400> 986

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tgcaaactct acaggggaag gaatagttcc tgacccttgt attcctaaag ggtatatact 120
tgaaacaaat ttacaaaagg acttacctgg attcttggct gataaaggca aatttacagc 180
cacccttcaa gctgctggta atttctcaga gtgtcgatct gctgcatttg ccatgttgca 240
ggaagaaaaa gggaaatgta cttataagcg ttgttctatt ggatcaatat tcacacctaa 300
tcttcaagga agttttttgg ctacagagaa tttcttccac acatccaagt tctttggggt 360
gggagaaaaa gagtggctgt ctgaaatgat tttggccgga aagagatctg tggagaanaa 420
tggtcaaaat 430

<210> 987
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-F5

<400> 987

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ggagccaaag gttgagactg tgactcttgg gncttctgtt cgtgaaggag agcaagtttt 120
tggtgttggt cacatctttg catctttcaa tgacactttc attcatgtga ctgatctctc 180
cggtagagaa actctcgtcc gcatcaccgg tggcatgaag gtgaaggntg accgtgatga 240
agtcctctcc ttaagctgct atgcttgcaa ctcaagatgt tgctcaaaga tgcaanggag 300

cttgggatca atggcatggc acgttaaagc tccgtgccta ctgggaggaa acaanaacca 360
angactccca aggttcctgg tggctcaant ccngctccta agaaccctt gtcctgttcc 420
tggcatgaaa gaattgggnc 440

<210> 988
<211> 370
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-G1
<400> 988

catacataga gacatcaaaa ccacaaacat acttctcgat gagaacttcg tcgctaaagt 60
atctgacttt ggtttatcaa gagttgggcc tactagtgt tctcaaagc atgtctccac 120
cgctgttaaa ggaacgtttg gttacttgga tcccgagtac tatcgccgtc aaatcttgac 180
cgaaaaatcc gacgtgtact cttttggagt tggtctgttg gaggttttgt gctgtanacc 240
cgatcagaat gcaaaagtgt tccaccggaa caagcagatt tgattcgatg ggtgaagtca 300
aatttcaata aaagaaccgt tgatcagatn attgactcaa gatttaaccg ctgaatatca 360
cttcgacctc 370

<210> 989
<211> 419
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-G10
<400> 989

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngaccac gaagctaaac 120
cctcaatctt cccactcat ttctactggt acacttcctc tcttgctca ctcacctctt 180
ctctccctc cantatccac acatacgaca ccgttttcca tggcttctcc gctagactca 240
cttcacaaga cgctagtcaa ctcttagacc atcctcatgt catctctgtt atccccggaac 300
aagtcctgca cttgcacacc actcgttccc ctgagtttct tggctctagg tccaccgaca 360

aagcgggtct actcgaagag tctgatttcg ggtcggatct aattatcnga agttatcga 419

<210> 990
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-F4

<400> 990

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 atagttcttg gtgatttgga caaggaggtc ttacnggtct ccagcttccg ttaggcagga 120
 ggacaagtgg nggctgcctt gccctaaggt tccgcctaac ggtttgtcat gaagaggcca 180
 ggaagaaact gcagcagtggt cgggactttg ctaaccagat tctcaaggct gcattggcaa 240
 ttaacagtgg cgtgcttgcc gaaatggnga ttcccgaccc ttacttgag actttgcca 300
 agnagcggga agggaatgtc ttggganaaa tnacnacca ntacttaact gcaaaacaag 360
 ttctcctccc gaaatncgcc ttgnacngtc ctgacncgc anncggaata atcangactc 420
 cttaaaatcg ccaaacggg 439

<210> 991
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-G11

<400> 991

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 aatctggcta agaacttggc cggagacgtg atcggaaccc gtacggaagc tgccgacgcc 120
 aaatcgacgc cgtttcagcc gtacagttag gtgttcgga tccagagatt cagggaatgc 180
 gaactcatcc acggacggtg ggcgatgctc gctactctcg gcgctctctc cgtcgaatgg 240
 cttaccggcg ttacatggca agacgtggc aagggtggagc ttgtagatgg atcgctctac 300
 ttggggcagc cattaccttt ctgacatctg acattgatat ggatcgagggt gttagtgatc 360
 ggctacatcg agttccagcg caacgccgag cttgattcgg agaagcgttt ataccccgga 420

ggcaagttct ttgacccgct aggttttagcg gctgacccg agaaactgc tca

473

<210> 992

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-025-Q1-B1-G12

<400> 992

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agaatgcctc cagaagctgt tgatttggtc tcaaggcttc ttcaatactc tcccaatctc 180

cgttgtgtcg ctcttgattc attggtccac ccattctttg acgagctaag agatccgaat 240

gcgcgattac ccaacggacg tttccttcca ccgctcttta actttaagcc tcatgaactt 300

aaagggtgtgc ctgtggagat ggtggcgaag ttagttccag aacatgcgag gaagcaatgt 360

ccgtggctca gtttgtgatt tgttctcacc tgcaaacacg aaaactaaga gcanagcagt 420

<210> 993

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-025-Q1-B1-G2

<400> 993

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agtgtatcct tcacaaaacc aaaacacact ctccattttc ttcagacang tctttctcct 120

ttcttctctc ttctctgtct catcacaaac cagaaatggg aggagtgtcc ttcctctcca 180

ctgttccttc cttcaccaac acaaccaatc atcaacatct cactacactc tcttcttctt 240

ctcatcgctc tgctgttata cgatgttcca agattgaacc tcaagtttcc ggtgaaagtt 300

tagctttcca ccgccgtgat gttctcaaac tcgccggcac tgcagtcgga atgggaatta 360

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gacaacgatt cgagnttca 439

<210> 994
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-G3

<400> 994

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ttctcgtatg ctgggttttga gcaacagcca aagaaatttc ttaaccccaa aattctcttg 180
cttaacatcg aattggagtt gaaatctgag aaggaaaacg ctgaaattag gctgtcagat 240
ccatcacagt accagtcaat agttgatgca gaatggaata tcatttatga caaactaaga 300
caaatgtgtt gagagtggag caaaagttgt tctttctcga ttggctattg ggtgatctaa 360
ctactcanta ntttgcccga tcgtgatatt ttctgtgcc tgggccgtgt tgctgaggaa 420
gattcttaan cggtgttggc tggctgc 447
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<210> 995
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-G6

<400> 995

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aacaaggaga cagctggaga gagagctgat gctggaagac ataatgcatc ttgaggactt 120
accctcctac gctctttctca atcaatagcc cttatgatga tattaatatag taagaagagt 180
ttctaacctc aggataacac aaggttgctc tactctctct ctctcttcac ttttcatctt 240
caacgctttc ggttctacct cttcgttgac cttttcttgt gtttggtggt tctaagaaac 300
aacttcaaca ccgagttggt acttggtata taaaacaag aaaaagagtg tgagananac 360
gggggagaag gttgggataa atcccaattt tgggtgcaag gatttгнаac ctaaatggaa 420
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<210> 996
 <211> 386
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-G7

<400> 996

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ctattggctt taacgctcaa cattgtcttt gcaccactta tgggtttccc tgctgatgag 180
aaagttatta aggagagtga agagaagctt gcagaagtgc ttgatgtcta tgaagctcag 240
ctttctaaga acgaatactt ggctgggtgat tttgtgagtc tagctgattt ggctcanctt 300
cctttcaccg agtatacctg ttggtcctat tgggaaaggc catttgatta aaagatanga 360
agcatgttag cgcttggtgg gaataa 386
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<210> 997
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-H10

<400> 997

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acttgcgcca cactctcacc gcaatggccg cctcgacaat ggctctctcc tctcctgctt 60
tgaccggaaa ggccgttaag ctatccccgg cggcctccga agtatttga accggccgaa 120
tcaccatgcg caaagcctcc aagcccaccg gtcacccggn aagcccatgg gtacgggttc 180
cgaaccgaan caaagttact tnggtccaat tctccgggtg nagcctccga anctacctca 240
cnggaaatth ccccggggat nangggngga aaantgccgg tctatccgcn gatcccaana 300
ccttcgcaag gaaccgtgaa gcnaaaatth atccaaanct natggggaan gcccgaccc 360
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tt 422
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<210> 998
 <211> 444


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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-026-Q1-B1-A10

<400>      1000

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tctttaatcg aagacgagtc aacggagggtt tccgcggttan nnnnnnnnnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn natagtggta 180
gttttgagga tttgttctca tggcctgata ttggtgggat tggttcgagt ggagtcgtga 240
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tcaagaacta taactcaacc tcgtcaccgt ttttttgggc ggcgganaaa aaaggtgttg 360
acgcccttaa agtgaaggcg tgtgattcac gcncccgttt tcggatgccg gntttgctcc 420
ccga                                              424

<210>      1001
<211>      522
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-026-Q1-B1-A11

<400>      1001

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tggatcatca ttaccattct caaccgcagg tgaaactctt tggatatgga gttgaagctt 180
atgtgctctg tatccaagct caagttgata tgncattagg aagatttgag aatgcgggttg 240
tcaaggcaga gagagctgcg atgcttgatc aaaccaatcc tgaggttgta tcagttttta 300
acaatgtgaa gatggttgtg cgggcacgta ctctgtgtaa tgagctatct agttcggggga 360
gattctcgga agcgttgtga gcttatggag acggtctcaa gcaagatgac tccaattcgg 420
ttttgtactg caacagagca ncgtgttggt ataagctcgg tttgtgggaa aaatctgttg 480
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<210> 1004
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-B10

 <400> 1004

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 attgtctcca ttcgatcacc aaaaaggcaa aacanagagc caaagaaaag cttcattacc 120
 tcactaatca ctctccgttc aaacaacatc aaagaagaca catacttcgt ctcagaactc 180
 aaaccacagg agcaaaaatc acttcangaa ctcaaagaaa agctctcagc ntcacacctc 240
 aaagcttctt caatgtgggg agtctcactc ctcggtggag acgacaaagc tgacgtaatc 300
 ctctcaagt tcctcagagc aagagatttc aaagtagcag actctttgag aatgcttgag 360
 aagtgtttgg agtggagaga agagttcaaa gcagagaaat tgacagaaga agatntggg 419

<210> 1005
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-H4

 <400> 1005

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 cgcaaaattt acgaangnt tcctcctaatt cctggctcct gcttgcttgg gctgggggac 120
 aagtgtgca tatcaagagg gacctctctc taatggagat gatgttgca ttgtcgcggc 180
 acataggact ccactatgca agtccaaacg tggcaatttc aaggatacat atcccgatga 240
 ttgtctgca cctgttttga gggcattgat agaagaagac gaatctaaac ccaagtgaag 300
 taagtgacat tggtgtgggt actgttttgg nacctggatt tcaaanagcc aattaatgca 360
 aggatgggtg cnttccaagg cnggtttccc tnaaacntg ggtgggtcaaa actg 414

<210> 1006
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-B11

<400> 1006

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aaaaaaaaa aaaaaacaca ttgtcatatc tctggtccca tatgtgatat gtcaccgtcc 60
ttctccatcg ccaccaccgt ctcaccggct tctctagcng ggactctggc ctcgaactca 120
aagaatgttt tgtgtagttt acattcaaag aacaatgata ttaccaagac aaataggaat 180
ctgaagttaa gagcttggtc tgtttctgga gggataaca acaatacatc tgtggacaat 240
gtaccttttc ctccgtgatt acgtcgagct cattaatcan gccaaagaan cagtggaaat 300
ggctttgaag gatganaaac agttaatggg aaattgagtt cccaacatct gggccn 356
  
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<210> 1007
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-B7

<400> 1007

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aaatggttga gagattcggg ttcagcaaaa agattggaca agttgcagtt ggtggagcag 60
gaggaaaccc tttcttgggt caaagtatgt catngcagaa ggattactcg atggcaacag 120
cggatgtggt tgatgcggaa gtgagagagc tcgttgagaa ngcgtacgtg agagcgaaag 180
anatcataac aacacaaatt gatatcctac acaagcttgc acagctcctt attgagaaag 240
aaactgtgga tggagaagag ttcattgagtc ttttcattga cggacaagcc gagttatatg 300
tttcttaaaa tcaactaatt tggcttgnat aataccaatt agcntcgatn taaacatact 360
ggtangttan tatacattga catgttcaag agacntttcc ttttctctaa aaaanaaaaa 420
  
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<210> 1008
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-C10

<400> 1008

gggntggagc acgctttttc agccgccgga gagacaaaca tgcctgcctg caggctcgact 60
 ctagaggatc ccctcgggga attccaattc cacattttca agaaataagg aggcaaaaat 120
 gttcatatat gaattggaat tatttgtttt cttattaggc ctatcctgaa gccaaaggaa 180
 atgagatcgg aattcctcgg ggaattccaa ttccacattt tcaagaaata aggaggcaaa 240
 aatgttcata tatgaattgg aattatttgt tttcttatta ggcctatcct gaagccaaag 300
 gaaatgagat cggaattcct cggggaattc caattccaca ttttcaagaa ataaggaggc 360
 aaaaatgttc atatatgaat tggaattatt tgttttctta ttaggcctat cctgaagcca 420
 aaggaaatga gatnggaatt cctccggggg taccganctc gaattcccta aaanngagtc 480
 gtantaaatt cgtaaactg tcanaacct 509

<210> 1009
 <211> 155
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-C12

<400> 1009
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 gagcggtcct ttaccggtgt catgtaatga tgtaacgtcg ttattttaaa gaaaatttgg 120
 caccttttgt nnnnnnnnnn nnnnnnnnnn nnnnn 155

<210> 1010
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-C8

<400> 1010
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 gaatccggca aagccatctg gntgttaaan cagcttcagt ccaacagcct ccggctatta 120
 tagaggaggt tggttggctt ttactggcg gtgttggtc cctcagcaac gtcggccagt 180
 tttctctccg gcaacgatgg ctccgtagca ccgtttggct ggctcctctt gtatgcggca 240

cagcaacaag aagctcgtct gcgaaaatcc taatgtgatt cctctcctta tcgatgcatt 360
gagggcgtgga acagtcgcca cgagaagcaa tgcanctgca gcgatnttca tccgtcagct 420
ctcgaatcaa 430

<210> 1013
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-D3

<400> 1013

agttctataa cctcaggtgt cgccagagaa cggggtatgc cgacgaaatg tgtgtgtggc 60
ttagagggtca cgatgttcgt ctcaaaaacg cangagaacc catgacgacc gttcttccgg 120
tgtattagca aaaggaatgc taattcgtgg tcaacaaaaa gggatgatca tgtgttcaaa 180
tgggtcgaag atgctgtggt tgaagaagta gaagatgctt tgccaagatt agccatcatt 240
gcaaatgaga taagcaaagc taaatctgag gcaaatgagt taaaggctat gattcaagaa 300
atgaagagaa gaagcaatgg gtcaacgaca tgaagacccc gaaagaaact ggggtgtggct 360
ttgaaaatgt gtattgtggt ggatgtttgg tatcaccatt gtgaatttcc tcntg 415

<210> 1014
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-E10

<400> 1014

tttcagcttc tggttcattt cgtaatgaca gtactccaaa agcagcacag agaaattctg 60
aagattctgg tgttacggtt gatggatcnc catcngcaaa ggaaatgacg atcgttggtc 120
ctgattcctc gaatatctat tcggcttttg gagaggctga gtcaaagtct gtggagacac 180
tctcaccgtt tcagcagaaa gatgggtcaaa aggactctt tgttgatcgt ggtgttggct 240
cccctaggct agtgaagtct cttagtgc aa ggctcttttt tgattgatac caagcaaadc 300
aagaattcaa tgccagccgc tgcaggagct gttgccgcag caacggtagc tgatcaaadc 360

cttggaccga aagaagatag acatctagca antgtcctgg ttggcttgcc tgctcn 416

<210> 1015

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-025-Q1-B1-E11

<400> 1015

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ctcatatcat gatgatacca taccacttc aaggtcacgt tatccctttt gtccacttag 120

ccatcaaact tgctttctcat ggctnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccggtgacat cttctccgcc gctcgcagct 240

ccggccagca cgacatacgt tacaccaccg tgagcgacgg cttcccttta gactttgacc 300

ggtcactgaa ccatgaccag tttttcgaag gcattctcca cgtcttctct gccacgtgg 360

atgatctcat cgccaaactc tcccgcctg atgatcctcc ccgtgacttg cttgatcgcc 420

gacacgtttt aagtttg 437

<210> 1016

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-025-Q1-B1-F2

<400> 1016

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn natggatcca tgaacgangg aggaggacat 120

caccacatga agatgatgat gcacatgacc ttcttttggg gcaagaacac ggaggttctc 180

ttctccggtt ggcccgaac aagctccggc atgtatgctc tttgtcttat ctttgtcttc 240

tttctcgccg tcttcaccga atggcttgct cattcctctc tctccgtgg ctccaccgga 300

gattcggcta atcgtgccgc cgggttaatc caaacgccg ttgtataccc tccgtatccg 360

gctcgcttat ctagtcatgc tcgccgtcat gtcgtttaac gccggggtgt ttctcgtcgn 420

tctggccggg tcatgcccg tng

443

<210> 1017
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-F3

<400> 1017

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gtgantcgaa aggtcagtaa tcagtataaa gctaccattg gagctgattt cttgaccaaa 120
gaggtcctaaa ttgatgacag aatcttcact ttgcagattt gggatactgc agggcaagag 180
aggttcctaaa gtttgggtgt tgctttctac cgaggagcgg actgttgtgt tcttgtgaat 240
gatgtcaatg ttatgaaatc ctttgaaaat cttacaact ggaggggaag agttcctgat 300
ccaggctaag tccttcaaat tcctgaaaac ttccccttch gntgtcttgg gggaacaaga 360
cagatnttga cggtggaaaa aatcaattgg ttactgagaa gaaaa 405

<210> 1018
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-D8

<400> 1018

tgcttgagat attttgtttt tacctccgag aaacggattt agattcgtaa tcgtgagttt 60
tttggtgtaa tggagatcgc tactgtcgta aaggctaatt gcggttgtga agcggatcga 120
cgacggcttc gccgattgag atgctctgtt aaggattacg attggggcaa aattggatcg 180
gattcactcg ttacaggggt ttatgcggcg aattcagatt acgagatcga tcctacacga 240
ccttacgccg agctatggat ggggactcac gagtctggtc cgagttactt ggaggatgct 300
gatggatcca atggcgtgac ccttaaattc tggathaccg aaaaccctaa atctctggaa 360
ataaggtttt gggaanaaat ggggttgcca ttccccctt 400

<210> 1019

<211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-D9

 <400> 1019

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 nnnnnnnntt ggtgatgtca gcttcccgat ggacggtgat ggatctacca tcgtacctgt 120
 cgtcatcgtg ggcattccgg tggccggagg tgaatctttc atccctgagc tctgggttga 180
 acatgagatt gttgtccttg tcgggtgatc tctccatagt tgatgatctt ttgtggagtt 240
 ttgtctcaat cattgaatct ttagctatca ctgctacggt ctggttgctt ttcttgtttt 300
 gtggttgtag cctctaattc ccttttttca ttatttaatt ttccgaattt taatgccaac 360
 tgaaatgtgt gtaaaagaaa aataatcaat taaattcaag acttttttan caa 413

<210> 1020
 <211> 525
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-E1

 <400> 1020

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 ggaattcggc tcgagggttcg gatcgcgggc acgtgggtgg ttcgccgcc gcgacgtcgc 120
 gagaagtcca ctaaacctta tcatttagag aatggagaag acaaaatgca attcaacttg 180
 aggagaagga gaagagagaa aaggaattgt tgaagcaaat tattgaggaa gctgatcaat 240
 acaaagaaga gtttcataag aagattgaag taacttgtga aaacaacaaa gcagctaaca 300
 gagagaagga aaagctgtat ctggagaacc aagagaagtt ctacgcggaa tccagcaaag 360
 aattactgga aggcaatagc agagctagtt cctaaagaag ttccaacaat agagaaaag 420
 agaagaaaaa aagagcaaca agattctaaa gaagccaaca atctcctgtg aatcaaggnc 480
 caaaagcccc ggtaagccaa accgattcta acaangaatt gagac 525

<210> 1021

<211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-E11

 <400> 1021

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 tcttcacttt tactctcaaa gctttcatct ttcatccaac tacttaagct ccaagtatgg 120
 caggatccgc accggaagga acacaatttg atacgcgtca gtttgaccag aggctgaatg 180
 aagttctcga tggacaggat gagttcttca cctcatatga tgagggtccat gagagctttg 240
 atgccatggg tttgcaagag aatcttctta ggggtatcta tgcttacggt ttcgaaaagc 300
 cttctgctat tcaagcaaag aggaattgta cccttttgca anggtcctga tgtgattcaa 360
 caagcacagt ctgggtactg gaaaaaccgc cactttctgc tcctggtgtc ntgcaa 416

<210> 1022
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-D7

 <400> 1022

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 gatctgggaa tccaccggcg tcgaaatcag cgattgaatc tttacctaga gtcgaaatct 120
 cagattgtca tacgaaagca gaagctaatt gcgccgtgtg tacggagggt ttcgaagccg 180
 gaatcgaagg tcgtgagatg ccgtgtaaac acatatttca cggtgattgt attgttccat 240
 ggctttcgat tcggaattcg tgtcctgtgt gtagatttga gttaccttca gatncaatcc 300
 aacggagtaa tgaagaanaa catgccgttg ggatgaccaa tttggagaat acctggtggg 360
 tggtttcccc tggttggaag tttaaaccgc ggaagttaag aagaaaggtg anaaggatat 420
 tgccggtgg 429

<210> 1023
 <211> 441
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-024-Q1-B1-E6

<400> 1023

gagcagaaag ttgaaaactt ggagatgggt ttctcttcgg ttgctgttca aattgcgaga 60

tacattgtga cgatgacaag tactggagct attcttttga ttgggtttca attatcaggt 120

ggagatagtt cgatgaactc attgggttgg tatagttggc ttggtggaat tatcattgga 180

accatgactg gtgctaacat ggttttggaa gatcattatc gagccggtcc acggaatgtt 240

gttataaccg gaagcactag gggactaggg aaagctcttg ctagagagtt tcttctctct 300

ggagacagag tcattgtcac atctcgagcgt tccgaatctg ttgatatgac tggccaanga 360

gctagaagca aaatctcaaa gagattatga attaacgcta gccaantcag cctanaaagg 420

aaacctgant gatgctaagg t 441

<210> 1024

<211> 531

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-024-Q1-B1-F1

<400> 1024

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attncggtcc aaggntatat naanaagggt tgtgaaaaca anggatccaa aacctcccc 120

aaggacctcc gccctaataca agagaaggga ggttcaaaaa gaaaaagagg aaaaaatgga 180

ctatatgtat gggaccaagg gagacaccat ctgtttgtac caaggaccag tgaacatacc 240

ggaaccggta atccgggcga tgaaccggaa caacgaggat taccggtcac caagccattc 300

cggcgcttac gaaaacattg ttggaggatg ttaagaagat attcaagacc acatcaggga 360

caccttttct gtttcccacg accgggactg gtgcttggga aaatgccttt gaccaaacac 420

gttatctcct ggagacanga ttgtttccct ttcttgattg gacaanttta cntgcccct 480

gggattgacc aagcaanaag aaggcttaaa ttcaatgttt gatgttgggt t 531

<210> 1025

<211> 385
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-F10

 <400> 1025

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 aaatattaaa actcaacttt ggtttatgga ctaaattttt tttgttcgat agttggtata 120
 taatgaactc agcatacagc attcctagtt ctttgtacat tttttatcct ataaaccata 180
 gtcttttttg tggtaacaca tgtatagagt aaggaaattg tctagggcga cggagaaatt 240
 gagcaagaca atgttgaatg gtgtgggagt ggtgaagtgg ctcggtgatg ggtccagttg 300
 taaagtcgaa gccagggaaa gcttttttct caatggttcc aggggaagtt cnantggctt 360
 cacttgaagc tcttaataaa ntact 385

<210> 1026
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-F3

 <400> 1026

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 atagtatata atgatacaac atgcaaaatc acttgaaagg aaaatgggaa aacaaaaaca 120
 cgaaaagcac atcaaagtag gaaaagtttc ggatttaggt ggtaagctcc atgatggcag 180
 agactatata tccattagcg agcttgagcg ccttaactgc ccttggctta gacactcctg 240
 cttgggtcat cacaagctcg atgtcctttg gctctactcc ctctctgtct acctcttcat 300
 catcatcatc ttgaacagca agctgcagtt gcaagcactc gatgtttctc cctgtgaaat 360
 cacgttgctt gaagggtggg aacccttgaa ctggccctgc gggnttgact cctgcaactg 420
 gcaaactcna aatcctccaa accttgggcc tcaach 456

<210> 1027
 <211> 428
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-024-Q1-B1-F6

<400> 1027

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ttagagagac gcgaaagcga aagcctatgg ggtcgcttct gtaactggat aactagcact 120
gaaaaccgtc ttacattgg atggtttggt gttttgatga tccctacctt attgaccgca 180
acttctgttt ttattatcgc attcattgct gctcctccag tagatattga tgggtantcgt 240
gaacctgttt ctggatctct tctttacgga aacantatta tttccggtgc cattactcct 300
acttctgcag ctattggatt gcatttttac ccaaactctg ggaaacctgc atccggtgat 360
gaatggntat acaacggcgg tccttaagaa ctaantggtc tacactttta ctggggtaac 420
ctgttaca 428

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<210> 1028

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-024-Q1-B1-F8

<400> 1028

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gcatgggaat gactccactg tgcagtatta tgtgccttac ttatccggta ttcagttgta 60
tgttgatccg ttgaagaagc ctagaaatcc agttggagat aatgaaggaa gtagtgaagg 120
aagcagcaac agtaggactt tgccggtgga cttgagtgtc ggtgaactga atagaattag 180
tctgaaagat caatctatta ctggctcgtt gtctagtgga gaagctgaga tcaacaatcc 240
gcagggacga ttactattcg agtacttgga gtatgaacct ccatttggca aggaacctcc 300
ggctaacaaa atctcggatn tcgcgtcaag aattcctgan ctaatgacat acccgagct 360
gtgatntcn tccctcaagt tgggtcccn gtgtca 396

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<210> 1029

<211> 366

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-F9
 <400> 1029
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 ctcatctact tctgatggcc agaagccagc ttctagtggc aagggctgtg aagaattacg 120
 ggtatcgggt gacagtcagt cttctcggaa aaataaaaat gtagatcaaa gctgctcaac 180
 ctctaaacag caatccaaag attttcttgc cgcaggcagc aatatcagtg agagccagct 240
 agatgagcaa agaagaaaga ataacgaaga ggtttcacac aataacagat nagctgagga 300
 atcaacttct ggtcatggag atatcaaaga aggtgcaaaa tcctggtggt ggtgcatcct 360
 cngtgt 366

<210> 1030
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-G10
 <400> 1030

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 nnantctctc aangntcccc aaaaaaaccc tagttctgaa tggaatcggc ggattccgga 120
 cgatccgacg cggtaaaagg agacgacccg ggtccatctt tcgtctcttc accaccagct 180
 acacctagca ggtatgagtc acagaagcga cgcgactgga acacgttctt gcagtacctc 240
 aagaaccaca agccgcctct cgcgttgtca cgggtgtancg gagcgcgatgt gatcgagttt 300
 ctcaagtacc tcgaccagtt cggtaagacc aaagtccacg tggcggcttg tccttacttc 360
 ggccatcaac aacctcgcgc tccttgctca tgccctctca agcaancttg ggggattttct 420
 catgctt 427

<210> 1031
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-G3

<400> 1031
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ttttggcaaa tcgtgaactg ccacgtcttt aaggcatcag tgaagcaaag atggactttg 120
acgaggagct aaatctttgt attacgaaag gtaaaaatgt tgatcattct tttggaggag 180
aagcttcttc cacgtcccca agatctatga agaaaatgaa gagtcctagt cgtcctaaac 240
cctattttcca atcctcttct tctccttatt cgtagaggc tttccctttt tctctcgatc 300
caacacttca gaatcagcaa caacaactcg gatnatacgt tccggtactt gagcaacgac 360
aaagacccga caatgcaang gcaagaanca aatggatttc cctttagtcc ccaaaaaaca 420
acaacagcaa gcaagcaan 439

<210> 1032
<211> 109
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-H12

<400> 1032
ntgaattttg tctagcctgn tcgtannnta acnanaattc ncgggncna ccatgcgctc 60
cggaattcgg ctcganctcg agccgaatcg gctcgagcta gttctagat 109

<210> 1033
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-H3

<400> 1033
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tcctctccct ctcttctcca ccacttaccg caaagccatc caagcgcnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnaagat atgcttgctg cggttgctgc ggcggatgat ggattttccg atgaagagat 240
tgttgacttc ttggtggctt tacttgctgc cggttatgaa acaacctcca cgatcatgac 300

tctcgccgtc aaattttctca accgagactc ctttagctct tgctcaactc aaggaagagc 360
 attaaaaaga ttaaggcaat gaaagagtgg atcctaanaat ccttgaatng gagtgaatta 420
 caanttcaat ggccantcaa acaaatg 447

<210> 1034
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-F1 ,

<400> 1034

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 atggatggga agacattact cgaaatagta ttggcggtat gcacagctta gatgaagatg 120
 gtgatgtggg tatagctttc tgtttcagga gtaaaccttt ttcagtgtct gtgacagatg 180
 ttgaaaaggt tacgcccttt catgtgggac aagagattca tatgacacca tcaatcaccc 240
 aaccacgact tggatgggtca aatgagactc cagcaactat tgggttaaagt aattgagaat 300
 cgacatggac gggactctga atgcacaagt gactggtaaa caaacgttgt ggaggggtctc 360
 aactgggaga tgcagaactg cnttcaaggt ttgaagttgg tgaattgggt tcgctcaaaa 420
 anc 423

<210> 1035
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-F3

<400> 1035

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 ctctgcgatt cccatcgca nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgatcg tctccacgctc tcttgggact 180
 ttcacgaagc ttcgttagct ctccgatggc gactgctctc acttctgatc gtaatctcca 240
 tcaggaggat cgagccatgc ctcaagcttc ctactgaagt ttaagggggg atatgacaag 300

tnanggggttg tggttaaatgc tgtgaagaac aaattagaaa ccantggaag gtatgagaaa 360
 ttggaggggtg gatttgtcca aatcaaagtt gtganggata acttgggatn ntccccnngt 420
 taaaggcaat gac 433

<210> 1036
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-E9
 <400> 1036

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 tccgaaggaa atttccccga agaaaaatgt cctgcctgtt gganggaaaa ctggcgggtgt 120
 tgggattctg ggctgcaagt tgcggcaaac ggtttgtggg agggttgcca aaatgtnncc 180
 ctggacttgg ggattctccg gcgagacaac cacaaactga nacttttgtc cntggggcgt 240
 tgcaccggcg atgaaataat cagtacgagg cttcagggga gagtaacaac gctgagaacg 300
 atgcttgcaa gtgtggatct gactgcaagt gtgatccttg cacctgcaag tgaagaagcc 360
 tttttaaata ancagagata atcgagtctc cttaattaat taagttattc aataaagtaa 420
 accatatata aggatgggtgt ttttaggttt ggtttaagtg taataatggc ttcagcttaa 480
 cctttaagcc cgatnaattg tcctttgtgg 510

<210> 1037
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-G10
 <400> 1037

ctcgagcaga gtcgccggga gatgggtcca ttggggagaag cacaggactt gctttaccca 60
 ngtgggagct tcgaccattt gggcctcgct actgaccccg aggctttcnc gggagttgaa 120
 ggtgaaggag ctcaagaacg gaaggttggc tatgttctct atgtttggat tcttcgttca 180
 ggccattgtc accggaaagg gaccgttggg gaacctcgcg gaccacttgg ctgatccant 240

caacaacaat gcatgggcct tgcctaccaa cttcgtcccc ggaaagtgag tttaatttgt 300
 gatcgagttg tgtgtatccg gtttggtgca tcctggaaat gtgatgcaaa tttcatatct 360
 tgtaattac cttgtanggt tggtgaaaaa atttatnaaa cctttat 407

<210> 1038
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-G12
 <400> 1038

aacgacncac gcctacgtaa actcggaatt cggctccgag cgaagcaaga ggaggcagac 60
 cgagtagaac tactgggttc aggatactgg aaagcaactg gatcacctgg tccagtcttt 120
 tccaaagaca acaaagtgat tggagcaaag aaaactatgg ttttctacac tggaaaagca 180
 cccacaggaa gaaaaactaa atggaaaatg aatgagtacc acgccgttga cgaaacagtc 240
 aacgcttcca caatccctaa gctgagacgt gagttcagtt tatgtcgagt ctacataaca 300
 acaggaagct ccagagcttt tgatagacgt cctganggag ttttgacagac agagaagaat 360
 gctaacaagt gatgttgacg taactgagac atccttccgt tttggaaaag ctactggga 420
 aacttcnatt caggaggaga acatattgan gtcccaatga acac 464

<210> 1039
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-G2
 <400> 1039

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 aacaatggct ggagttgcct ttgggttcctt tgatgattca ttcagcttgg nttctctaag 120
 agcttacctc gctgagttca tctccacttt actctttggt ttcgctgggtg ttggctcngc 180
 cattgcctac gcaaagctga cgtcggacgc tgctcttgnt anaccgggac tagtggccat 240
 cgcggtttgt catgggtttg ctctctcgt ggccgttgca ntccggagcc aacatctccn 300

ggcgtgcac gacacagacc gatgtttttg cttacgggat attggttctt gaagtaatgt 360
gtgggaaaag acctantgaa gaanggaaan aaaccgttga tggattgggt tttgggg 417

<210> 1042
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-G8

<400> 1042

tcgagctcga actcactact cttcagccgt cgacgccgca tccgttccat ttccgagaag 60
ccggagtact tcttcgcct tctcttctc tgcctcttct cggagaagat cttcggattt 120
cactttcgac gatgattata gcgagctgct tagagctgct tccgttagga gtttaggtca 180
taagaatgag attgacatga tcatannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnngcgtt gcgatgggaa cggttacggt taaagggcgg tttgcctaaa gagctcnaat 300
tgttgggatg acaatgggta aggtttgatg aaagaaagat gaagaanaag ggtntgttaa 360
gaatcaaaag aanggatntg atttcctaaa acctcgtaac aaattacatg ctgttactat 420
taaaag 426

<210> 1043
<211> 528
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-G9

<400> 1043

gacgancgca tccacgcgtt acgtaaactc ggaattcngg ctccgaaggt gattccaacc 60
aagcaagggg aacatacact ttactggggc aagacaattt acacaactcc ttttgttctt 120
ccgaagaatg ggctcctgat ggggattccg cttgaagcaa ccgggagggt ttacanggac 180
tgggtacaaa cccaaggat ctatggggaa aaacaagtac tttctttggg ggttaagaag 240
aaagggtttg gccggttcaa ggtaaccggg cttacccggg tgggaccttt cttcaaccct 300
ccttggggtt gggaaagatg agaagtcact gaaggagtgt aaactcaagg aggtcaagaa 360

ccgtattcct ccggtttggt gggcccccaa attcgaagat acacgttggc taaaaaaaaan 360
 gaccaagaaa tggmataatt aaggntaaaa cgtcngtttt ccccaaataa aatcncctaa 420
 gcaatcaact tataagttcg tcctaatagcc gaagctataa tttgaacg 468

<210> 1046
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-H7
 <400> 1046

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 cttctctccg gcggttcaga ccttatcgac tcgttgccgc cgaattgtaa ccgagccgag 120
 tgtccgagtt atgaggttgt ccacgccggg aatggctacg agattcatcg ctacaacacc 180
 accgtttgga tttctaccga accaattcaa gatatctctc tcaacgaagc ttctggcaac 240
 gattgtctga ttacatgaac ggggaacaacg attatcacca gaggatagag atagcacttc 300
 cttatatcac ccangtctct canaacttga gcaccttcac agtctctttc ttcgttccca 360
 aggcatcaaa actgatncaa ctccgggaaa caacctccac gtncagagat gggaat 416

<210> 1047
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-H8
 <400> 1047

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 acctcagccc tcttttcgca ctctctatcg gatccgggtt tgcgagattc actgcaacac 120
 taactcatgt ggcattgttc ancggcaggg acatatggaa gcagacttgg tctgcagtga 180
 acaccacgaa gctggacatc catggaaaat tgatgcaaag ctacaaaaaa gtgcctgagt 240
 ggtggtttta tatantgctg gcaggaagtg taaccatgtc tctcctaata tctttgtgtg 300
 naaaggagtc agtgcagctt ccaagggtggg gaatgctctt tgcttttgca ttggccttca 360

ttgtcacact ccctatcggg gtcattcaag caactacaaa tcagcaanca agatatgata 420

<210> 1048
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-08-Q1-B1-A4

<400> 1048

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atgccttcca agccgggtcag gccgctggca aagctgagga gaagagcaat gttctgctgg 120
acaaggccaa ggatgctgct gctgcagctg gagcttccgc gcaacaggcg ggaaagagta 180
tatcggatgc ggcagtggga ggtgttaact tcgtgaagga caagaccggc ctgaacaagt 240
agcgatccga gtcaactttg ggaagttata atttcccttt tctaattaat ttgttgggaa 300
tttcaaataa aatttgggaa tcataattga tcccgtactc ancgtacttg ttgttgtttt 360
taatgttgta atgttttaat gtttctctcc cctttanatg tactacgttt ggaac 415

<210> 1049
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-C3

<400> 1049

aggtgtctac tgagaaagca ccagctgctt tgggacctta ctctcaggcc attaaagcca 60
ataatctggt ttttctttca ggtgttcttg gacttatacc tgagactgga aagtttgttt 120
cggagagcgt cgaagatcag actgagcagg tactcaaaaa catgggggag atattgaaag 180
ctagtgggtgc tgattattcc tcggtggtga agacaacaat catgttggct gatttggctg 240
acttcaagac agtgaacgaa gatatatgcc aaatacttcc cagctccttc tccaacacga 300
tcgacgtatc aagttgcaac tttgcctcta aacgccaaag atngaagatt gaatgtattg 360
caacactcca gaacactcaa aatcaatctc ctacnaaggg tantttgggc ccggaaaaat 420

t 421

<210> 1050
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-C4

<400> 1050

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gaggtcgcgt cagtgggttaa ggagtcgttc gggtcctgnt ggtggatgtg tagtggcggc 60
gtgtgcgggcg gttggatatg tgtatgtgct aaccagtcac gcggtggagc tttcgttttg 120
gcgatttgat gcgcgtcgtc gtggtggaaa cagcgggttt ggagaatggc agaggctgaa 180
aagtcgcgcg ttaccggcac aggtgcggtt agatggaacg gtgagggttta actgcgtcgg 240
agtggaagat aaagtggcgg tggttcangt ggtgggatgc attgacnatt tgcttcggcg 300
gaattggaag ggtgagaaaa ggattanaga aaanccttgt gttgccgtat gataccaang 360
gaaggaaaat ttganganaa ccgcgggatt tacctgaaaa tgaattaaac ccnccgcctg 420
ttgctt 426
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<210> 1051
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-C5

<400> 1051

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tcgagtctct ctccatttgg cgatagaaga agtcatgtac caatcatcat cctccacgtc 60
atcatcatcg cagagatcat cgcttcccgg cggcggagga ctgatccgtt acggntcagc 120
tccgggacgc tttctaaact ctgtggttga cgaagtcac ggaggaggct catcaaacgc 180
tcgtgacttc accggctatc anccgtcgtc ggataacttc atcggtaacn ttttcaccgg 240
agctgctgac tcattctcgc tgagatccga ttcgacgact tgtggagtna acaactcatc 300
cgacggacaa gaaacagtag gcaatancaa taataataat agtantaan atatcntcc 360
tcgaaagatt ctaanggtgg gattcaacna gatttcgcaa ca 402
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<210> 1052
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-C2

 <400> 1052

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 gatcatctct ttctccggtt aagggtctcag gacttctcag attcgaatta taaatgggaa 120
 attgttgtgc gagccccgggt tcggagactg ggagtaagaa ggggaaacca aagatcaaaa 180
 gtaaccgcgtt ttatagttaa gcatacacta cgaatggatc tggaactggg ttcaanctct 240
 ctgttttgaa agatccaaca ggacatgata tatctcttaa gtatgatctg gggcgtgagg 300
 ttgggtcccgg anaatttggg attacttach tgtgcactgg atatcaaaac gggcgaaaaa 360
 tatgcgtgca agtccaatac aaagaagnag cntaanaaca acctgttga taanaa 416

<210> 1053
 <211> 75
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D1

 <400> 1053

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 nnnnnnnnnn nnnnnn 75

<210> 1054
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D10

 <400> 1054

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 gttttgaaat taaggaagtg attgttatca ccggaggaga gagagaaaat gttgggaatt 120

ttcagtggag ctatagtatc gccgccggaa gagttagtgg ctgccggaag cagaactccg 180
 tcgccgaaaa caaccggatc aacttttagta aaccgggttcg tcgagaaaaa tccatccgct 240
 gtttctgtac aagtcggcga ctatgttcan cttgcttaca agccatcaca acganagtcc 300
 tctccggcct aaatnatttg gagctaaggg atgaantatt ctgcttggtc caanggtcac 360
 ntgacaacct aagaagcctt gaaacaagca ntacggggct tgcaaaaaac gcaaacaagg 420
 ttctccttgg tc 432

<210> 1055
 <211> 343
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D12

<400> 1055
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 gtgggacagg tgacttcttc atggctcgtg ggatcgctac ctctgtgact gatttatttc 120
 aaggggggcta agtatttccg agttaagatg gatattaagc tctatgaatg ttactaagta 180
 gctaagaatg tgtgttttgt ttgaaaattt tatgttgaca cagagaaatg tgtttacaat 240
 aattaagnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnncaaggg gaaaanannt aaaaaaaaaa ggg 343

<210> 1056
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D2

<400> 1056
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 ttagagagta tcaaatcaat ctccggcgga tggggcgcg cggcgcgttc ctgtgacgct 120
 tgtaaatcan ttaccgccgc cgtgttctgt cgagttgact cagctttctt atgcatagca 180
 tgtgacacaa gaatccattc cttcactcgc cagagcgcg tgtgggtttg tgaaagtttg 240

tgaacaanct cncnccgccc tcacttgcaa agccgacgcc gncgctcctt tgctcanttt 300
 tgatgcccga tattcactct gctaatactc tcgccaaccc gtcactnaaa gtgtccccgt 360
 ccaaactttc ctenagtcaa ccgaaaacga ccgtcgccaa aatctcanct tcctcgactt 420
 ttgggaaccc 430

<210> 1057
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D4

<400> 1057

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 gaagatacgt tgaacgcttt ggagtctggt gctattgaga cactgattgt atgggaaaaat 180
 ctcgatatca acagatatgt gatgaacaac agtgcgactg gtgaaactgt gatcaaacac 240
 ctgaacaang gaacaagaaa gccaaactg aagaaactca aaagtaaccc gacagttgac 300
 cttggctttg gaccctngaa ggaaaaagct gtcnttaccg gaattggctt gccaatgagt 360
 acaagcgttt tgggtgtgcn ttaaaagttt gtgaccaaca agtcacaaga aaggtcncaa 420
 ttttgcaaaa gggttg 436

<210> 1058
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D5

<400> 1058

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 nnnnnnnnnn nnnnnnnnnn aatggcgga ccgattccct catcgtctct gtcaccgaaa 120
 tctctacaat ctctaatacc tatggaacct tctccgtgca tcttctactc ctttaccttc 180
 atcatcatct caacgaacaa caactcatga cagctccgat ttccaattct gttaattccg 240

ctgcgctctcc ggcgatgact gtaactacca ccgaaggtat tgtattcaag aacaattcgc 300
 aaacctaataa tctcctctcc caaannctan ttcttctaan ccaacaatcn ggngctcaga 360
 ttccgttcgc nttctctct ctctcaacct tcttcaaccg gtaagatnaa gcaaa 415

<210> 1059
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D6
 <400> 1059

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 atcatccaaa ttgggtataa caaaagaaac taacaagaag aagatcgaat tcaagaagaa 120
 nagatggaga atggagcaac gacgacgagc acaattacca tcaaagggat tctgagtttg 180
 ctaatggaaa gcatacacaac agangaagat gaaggaggaa agagagtaat atctctggga 240
 atgggagacc canactcta ctctgttttt cgtacaacac aagtctctct tcaagctggt 300
 tcngattcnc ttctctccaa caagttccan ggttacnctc cnaccgntng gtcttccna 360
 agtcaaagg gcaatancag ggttnctaac gcctgatttt caancaa 407

<210> 1060
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D9
 <400> 1060

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 aaccgngga aattaatttc cgggaccggg ttacctggcc agggcgggta ccaagccttt 120
 cccctaataa ggtggagttc gtattaagna agcttgggag gtaatcatgg gtcaatagct 180
 ggtttcctgt gtgaaattgt tatccgctca caaattccac acaaacatac gagccgggaa 240
 gcataaagtg taaagcctgg gggtgcctaa atgaagttga ggctaaactc acattaaatt 300
 gcgttgccgc tcaactgccg cctttccaag tcggggaaaa cctgtcgtgc caagctgcat 360

taatgaaatc cggccaaacg cgcgcggggg aaaaggcggg ttgccgtaat tgggggcgcc 420
aagggtgggt ttttcnttt caaccaagtg aagacngggc aaacaagctg aattgccctt 480
caaccgctg gcccttgaa na 502

<210> 1061
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-E12
<400> 1061

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agagaatctc taagggtagg aaggaggaa. agaagaaggc tggtgatcct ttctccaaga 120
aagattggtg tgatgttaag gctccttcaa tcttactca caggaatgtt ggaaagacac 180
ttgtttccag aactcagggt accaaaattg cctcagaagg cttgaaacac agagtttttg 240
aggtttctct tgctgatctt caagggtgatg aggataacgc ttacaggaag atccgtctca 300
gagctgaaga tgtccagggc aaggaacgtt ctgtgccaat tccggggcat ggacttcaac 360
aaccgataaa ccttaagtca aatgggtaaa aaattgggaa actttgatna aggcccatgt 420

<210> 1062
<211> 109
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-E2
<400> 1062

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ctcaaaaaan nnagaaacag aanaaaaaag atncnaaatg naaaaaaaaa 109

<210> 1063
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-E3

<400> 1063
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 gcgacttggtg gattatgctc gtcggtagca tcggggatat cgaggaaatc agcgaggatc 120
 gcttattgtg gtcncttcgg tgccctctctt gtcgtctcct ggattcttcg tgagacnggt 180
 gtcgcgtcc tcgagaaact cccttggatc aatacttctg attcanatac canagaatgg 240
 tatcancann annctgttcn tcgtgtgagc nttgggaatt ncctctctt tgcaatntan 300
 gctttgatca tgattggtgt caangaccaa aaatgacaag cgtgactccn tggnaaccatg 360
 gtgggtgggg tttgaaaaat gattgtccgg gttttgcctt gttgtcctca ag 412

<210> 1064
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-E5

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 caatccttca tatgatgtcg gacggaggag caccgtcgag atacgtgaag ttgacnaagg 120
 aanaagcncc ggtcgatgag attcatcccg gtgaactcaa tcagcccatt gaagtttctc 180
 atctanctgt tcacaaatgc aatgagtgtg gccaaccttt gcctgagaat tttgaagctc 240
 ctgctgatga gccctggact accggaatat tcggctgcac tgaggacatg aatagttttt 300
 ggctgggact tttctgcca agtgttctat ttggacgtgt ctatgaaact ctgagtgatg 360
 aggaaacctc gtggaaaaaa gcatgtantt gccca 394

<210> 1065
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-E7

<400> 1065
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6541630 "46362600

cacggccgcg ctgaaatcca cgaccacggc cgcgctgaaa tccacgacca cggccgctct 120
gaagaagaag actctctccg tctctccct tctctctc cgtctaagag acaaggcatc 180
cccagacgcc atgatctctc tcactccctc gttgtttctg aacaagacgg ttgttcctgg 240
atgttccaca cgcctctctc tgcgccagcc tagaactata attactctc ctgcttcctt 300
gagagtcttt tctctctcg gatctaacca ggattccacc ggcagcgttt tgattgagac 360
cactgccact tcctctctc ctctcgaaac tccgccgccc acaattgttc ccaaatt 416

<210> 1066
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-G1

<400> 1066

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atcatgacat caaacgtcgg aagcagcgtg attgagaaag gaggangacg tatcggattc 120
gacttagact acgacgagaa agacagcagt tacaacagaa tcaagagcct tgtaacagag 180
gagctgaaac aatacttcag acccgagttc ctaaacaggc tagacgagat gattgtgttc 240
agacagctaa canagctgga agtgaaagaa attgctgaca tactgttgan ggaagtgttc 300
ganagggtga agaagaaaga gattgagctt caggtgaccg aaagattcaa agagaagagt 360
agtagaccga aggggtataac ccgagctatg gagcaagacc gttgagaaga agccatccat 420
gaaggctttt agagggg 436

<210> 1067
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-G2

<400> 1067

ctcgagcacc gaactaacia aatttgaaat tcccaaagca aaaacaaatt acatcattca 60
attcaattct caatgcctct tcttctccct acctcttct tcaaaacgac ggccaccgtc 120

gtaatcgccg gcgtttcatt tattgccacg gcgatgattc tcacgggtccc ttccgtttcc 180
catttcgtag tctcttgctt tccgattatt tacgataaca ccgtcttcct cttaaaacca 240
ccgtatcttt acttagtcat caactctatc atcgtctgca tcacgctac ttctaaactc 300
actcataaat cgctctccgt cgatgactct gagatctcgg aagtagtgac tccaataccg 360
ataccggtac cggttcattt ancttctgat atccaattcc ggtaattta aacgtgggt 419

<210> 1068
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-G4

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cttcgccatt gttactcaca cagagaaaat ccaatctcac atcgattcaa aaactcccat 180
tttctctaac tcgaggtagc aatgatcttt ctccattatc tcttactcga aaccctagca 240
gcatcagtct gatggtgaaa gctagtggag aaagctcaga ttcacgact gatctcgacg 300
ttgttagtac gattcagaat gtttgggata agtctgaaga taggttaggt cttattgggt 360
tgggttttgc tgggtattgta gctctttggg catcattgaa tctcatcacg gnaatcgaca 420
aattgcccggt tatctcgaac gggattcnaa ct 452

<210> 1069
<211> 114
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-G6

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gcacgcgtac anaaactcgg aattcggctc gagactagtt ctagatcgcg agcggccgcc 60
cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaatggaga aataaaaaaa aaaa 114

<210> 1070
 <211> 205
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-06-Q1-B1-G7

 <400> 1070

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 tcttcttttc gtttggtcgg tatatgttta ttgagtttca tgtattgttt gtgatgggtct 120
 gtgtgtaata gtgaggtcgg atctaaactt ttatgcgtgg tttttatatg aaattgtcca 180
 ttgtggttaa aaaaaaaaaa aaaaa 205

<210> 1071
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-F6

 <400> 1071

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 actcggaatt cggctcgagc tcttccctca cgtcttcac caccgtagct tccgccacca 120
 ccacctcnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnaattcctt taattagggt tgggattacc aatgaatgtt ctctctctcg 240
 cttgttatgc ttctacttgg ttttgtgtgt tctctatitt gttctggttc ngctttaaga 300
 tttgatgtaa tagttcgtga ttaggtatit tggtatcngg naacntaatg ttaattcant 360
 tgtnttttan cgtatgannc gtgnacttaa cattctnaaa atgacaaaat ttcttccggn 420
 naatataacc cctgttgatt ggaaaaatgg gattaataac gggcgg 466

<210> 1072
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-H4

 <400> 1072